

Are You Accessible?

Web Accessibility Tips for Audio, Video and The Web





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Accessibility means...

• Everyone can use your website.



Technological Diversity



Meet your audience...









Take the #nomouse challenge!



nomouse.org

What are the primary functions of your website?

- Listen Live
- Review the playlist
- Donate

Try these functions without a mouse.

Or with assistive technology such as a screen reader.

We did!

Results are at <u>terrillthompson.com</u>

Common problems: Live Streaming

- Inaccessible "Listen Live" buttons
- Inaccessible media players
- Autoplay



Common problems: Playlists

- A playlist is a list (or maybe a table)
- It should be coded that way (with , , or)

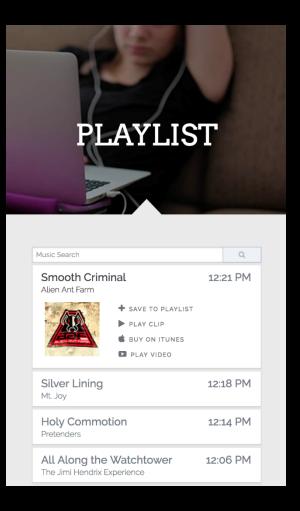
Example Playlist #1

Today's Playlist			Sollow @wknc881playlist
	arch		
8:48 pm	8:41 pm	8:37 pm	8:33 pm
NHOAH	Machinedrum	Ray Mang and Foolish Felix	River Tiber
120 Ciels Rouges	Eyesdontlie	Who Said Dub	Flood
8:29 pm	8:25 pm	8:21 pm	8:16 pm
Kllo	SBTRKT	Kelly Lee Owens	Evelinn Trouble
Predicament	Wildfire (PatrickReza Remix)	Arthur	Monstruous
8:13 pm	8:09 pm	8:02 pm	7:59 pm
Pretty Lights	Moderat	Kodomo	PINK \$OCK
Press Pause(Free n Lipp Remix)	Bad Kingdom	Mind Like a Diamond	Do You Believe in Destiny?
7:53 pm	7:45 pm	7:43 pm	7:42 pm
Washed Out	Big Thief	Sugar Candy Mountain	Trini Lopez
It All Feels Right	Shark Smile	Eye On You	Greenback Dollar
7:41 pm	7:38 pm	7:34 pm	7:29 pm
Tommy James & The Shondells	FrankJavCee	Twin Shadow	Devendra Banhart
I Think We're Alone Now	SimpsonWave1995	Five Seconds	Shabop Shalom

Example Playlist #2

Today's Playlist		Sollow @wknc881playlist
Normal <u>Classic</u>	Search	
8:52 pm	George Clanton	Make It Forever
8:48 pm	NHOAH	120 Ciels Rouges
8:41 pm	Machinedrum	Eyesdontlie
8:37 pm	Ray Mang and Foolish Felix	Who Said Dub
8:33 pm	River Tiber	Flood
8:29 pm	Kllo	Predicament
8:25 pm	SBTRKT	Wildfire (PatrickReza Remix)
8:21 pm	Kelly Lee Owens	Arthur
8:16 pm	Evelinn Trouble	Monstruous
8:13 pm	Pretty Lights	Press Pause(Free n Lipp Remix)
8:09 pm	Moderat	Bad Kingdom
8:02 pm	Kodomo	Mind Like a Diamond
7:59 pm	PINK \$OCK	Do You Believe in Destiny?
7:53 pm	Washed Out	It All Feels Right
7:45 pm	Big Thief	Shark Smile
7:43 pm	Sugar Candy Mountain	Eye On You
7:42 pm	Trini Lopez	Greenback Dollar

Example Playlist #3



Common problems: Donations

Inaccessible forms

Enter Payment Details				
*Credit card numb	er			
*Expiration date October Please help us prev d QL 2	 7 2018 ent spam by typing the b 	text in the image	*CVV e.	

Common problems: Headings

- No headings
- Too many headings
- Headings that don't provide an accurate outline of the page content

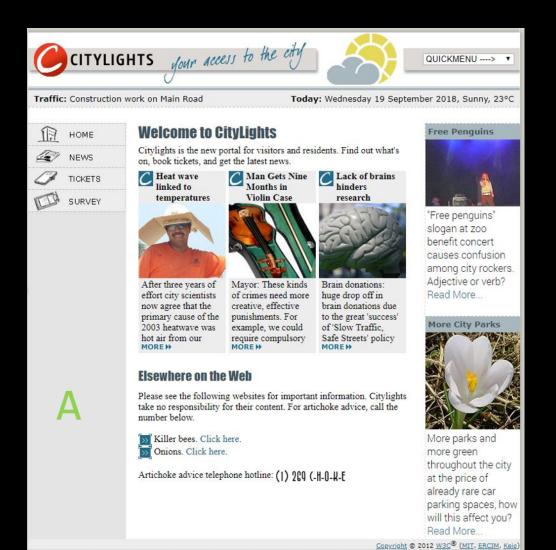
Headings Example

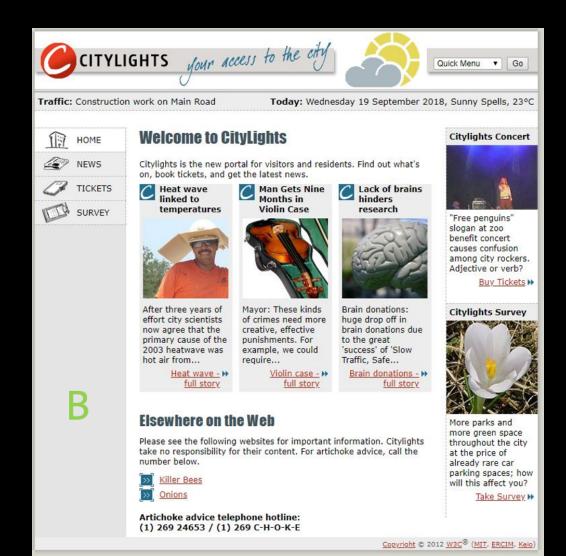
Programming Ev 90.7FM BERKELEY	Search go vents/News Donate About Multimedia (1) UC Berkeley and Listener Supported Radio Listen Now (2) (1) (2)
Recent Songs on KALX	
Home > Programming f 💟 🖾 G+	Like 56
	Playlists
Friday, October 26, 2018	r layiists
Time Artist - "Song" - Album (Record Label)	Monthly Top 100 Charts
6:50am	Weekly Top 35 Charts
6:48am Shy Boys - "Champion" - Bell House (Polyvinyl)	
6:43am Soft Boys - "He's a Reptile" - Invisible Hits (Chime) 6:39am Soft Sailors - "People Like Us" - Spring 2018 Mixtape (Vanity Projects)	News/Information
5:35am Soft Cell- "Chips on My Shoulder" - Non Stop Erotic Cabaret (Sire)	Sports
5:33am	
6:10am Areon Flutes - "Broken Birds" - No Era (Innova)	KALX Live
6:08am	Specialty Music Shows
6:04am Oneohtrix Point Never - "Still Stuff that Doesn't Happen" - Age Of (Warp)	Our DJs
5:56am Saved My Life- "Lotus 72" - A Conga Saved My Life (Saved My Life)	
5:50am Dexter Wansel- "I'll Never Forget" - Time Is Slipping Away (Philadelphia Intern	Best Of KALX Programming
5:47am 400 Blows - "Tension Release (Vocal Remix 1)" - Tension (Unknown)	
5:44am Japan - "Visions Of China" - Visions of China/Canton (Epic)	<h2>FEATURED!</h2>
5:40am Professor Rhythm- "Bafana Bafana" - Bafana Bafana (Awesome Tapes From Af	rica)
5:30am Yellow Magic Orchestra- "Yellow Magic (Tong Poo)" - Yellow Magic Orchestra	(Horizon) Programming Updates
5:25am Sleazy McQueen- "Back To Hell" - Theme From Kaffee (Local Kaffee)	1000 Para 1000 Para 1000 Para 1000 Para
5:21am Joe Coleman- "Get It Off The Ground" - Funk Spectrum II (BBE)	- 222 Mar 49
5:12am Goodie- "Dancin Free" - Dancin Free/ (Family Groove)	Missed Our Fundraiser? Donate
5:08am Isabelle Antenna- "Seaside Week End" - Seaside Week End (Crepuscule)	Online! YOUR KALX
5:04am Bart & The Bedazzdled- "Life Under Water" - Blue Motel (Lovemonk)	

Common problems: Overall

- Inaccessible dropdown menus
- No visible focus for keyboard users ("Where am I?")
- All the things Jamie & Doug are about to tell you about

Spot the differences!





Pick accessible fonts

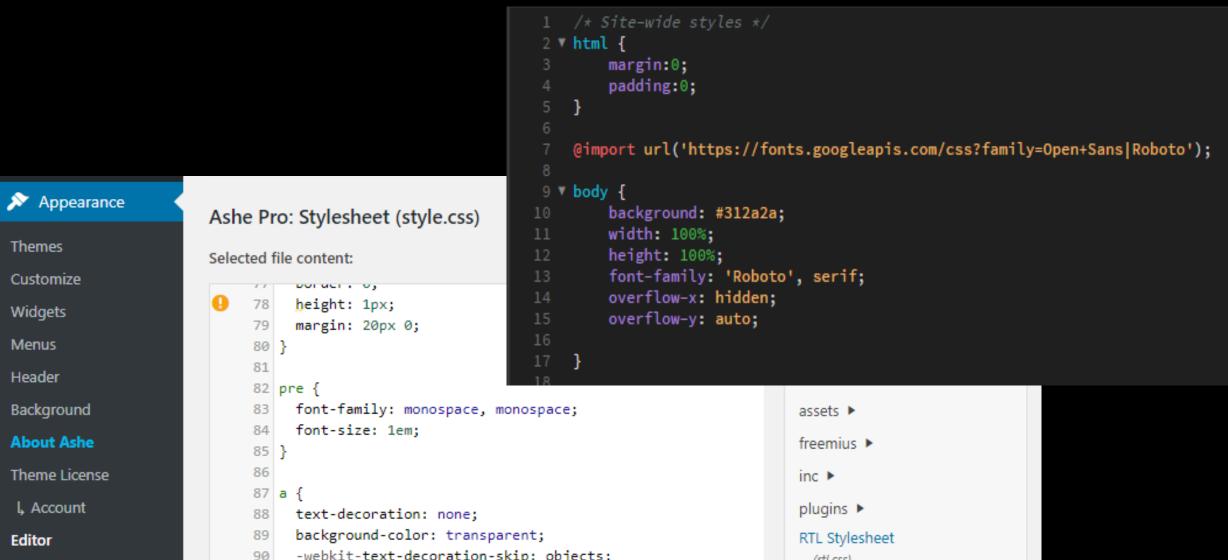
Font recommendations

- Sans serif
- 12 point minimum
- Use **bold** sparingly
- Use *italics* and UPPERCASE even less
- Don't animate text

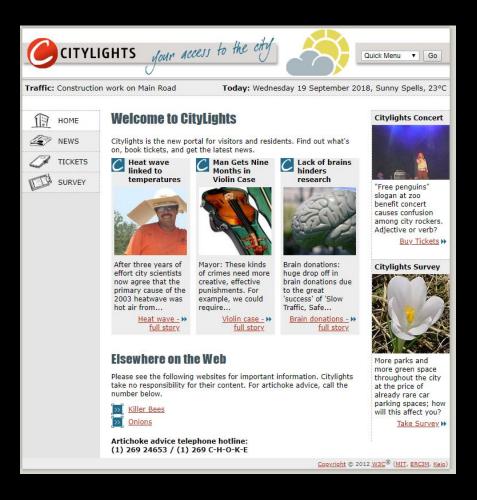
Recommended fonts

- Verdana
- Arial
- Tahoma
- Helvetica
- Calibri
- Tiresias-Infofont

How to change your web font



Add descriptive link text



- Use this: Learning what to write as proper link text can be confusing, but you can learn more by visiting <u>Descriptive Links</u> <u>Accessibility</u>.
- Instead of: Learning what to write as proper link text can be confusing, but to learn more <u>click here</u>.
- And never: Learning what to write as proper link text can be confusing, but to learn more visit https://accessibility.oregonstate.edu /descriptivelinks.

Add alt text for images

Contact WKNC staff

WKNC is a student-run radio station, which means all our student directors also have to go to class, study for and pass those classes, work other part-time jobs and have family and social responsibilities. This also means sometimes we miss our office hours or are slow to respond to email. Please be patient. You can refer to the NC State academic calendar for school holidays, breaks and exams. All directors can be reached at 919-515-2401, but email is the preferred method of communication. Our mailing address is located at bottom of this page. Before sending an email, check our FAQ page to see if we have already anticipated and answered your question.

Fall 2018 WKNC executive staff

Jules Conlon, general manager

Jake Mitchell, program director - no music submissions, please (send to MDs below)

Nick Weaver and Marissa Jerden, public affairs directors

Annelise Thorn, promotions director

Gab Scaff, sponsorship director

C Phillips, multimedia/Lounge director

Cliff Jenkins, Daytime indie rock/radio 200 music director - no singles, please

Elizabeth Maynard, Afterhours electronic/RPM music director

Ashley Darrisaw, Underground hip-hop/urban music director

Erika Bass, Chainsaw heavy metal/loud rock music director

Brock Sliter, Local (North Carolina) music director

Jamie Lynn Gilbert, station adviser



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 EWKNC managers in 1969. We have always been cool.

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Alt text suggestions

- Keep it brief
- Don't be redundant
- Avoid "image of" language
- Use alt="" for purely decorative images

Which alt text would you use?



Because of his role as the Commander in Chief of American forces in the Revolutionary War, and, later, the first President of the United States, George Washington is often called the "Father of his Country."

- A. "Image of George Washington"
- B. "George Washington, the first president of the United States"
- C. "George Washington"
- D. "Image"
- E. An empty alt attribute (alt="") will suffice.
- F. No alt text is needed

(Example from Web AIM)

How to add alt text for images

Caption Alternative Text	
Alternative fext	
DISPLAY SETTINGS 	
Align Left (<pre> Align Left (</pre> <pre> Align Align Left (</pre> <pre> Align Ali</pre>	
Size Full Size - <img alt="Instagram Logo
</th><td>" src="/img/common/instagram.png"/>	

How to add alt text for iframes



Salt Lake Community College students who are interested in television and video production can pursue their passion with the Student Media Center.

The SMC oversees a variety of student-produced programming in the news, sports and entertainment genres. Students learn studio production, field production and broadcasting, and apply those skills by participating in various SMC productions.

Students who enroll in the advanced course specialize in documentary film projects.

Check color contrast

2.59:1

No, my first name ain't baby. It's Janet.

7:65.1

Miss Jackson, if you're CONTRASTY.

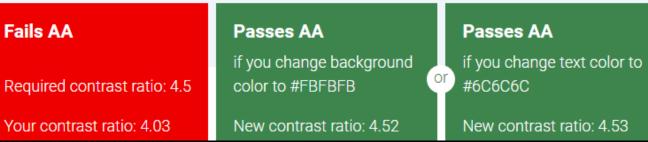
How to check color contrast

ACCESSIBLE COLORS

My text color is #747474 at 18 px and regular weight

My background color is **#EEEEE**

My design must be **AA** compliant



advertise	schedule	+	#184277	swag	listen
					On Now: Them Are Us Too No One
	INTIMATE SES /ITH ARTISTS				Just Played Vinyl Williams Nether Congrenes
	LOCAL AND I	BEYON	D		Camp Cope The Face of God
HF					Soft Kill Trying Not To Die
LCJUNGE				Exhibition I Can But I Never Learn	
			88.1 WKNC		Mikaela Davis Do You Wanna Be Mine?
					Kero Kero Bonito
sses AA					

Next Steps

- Take the #nomouse challenge!
- Learn about web accessibility
- Seek help at your college or university
 - search for "web accessibility"
 - Contact the Disability Services office

Resources

- Bureau of Internet Accessibility. (2017, May 20). Best Fonts To Use for Website Accessibility. Retrieved September 19, 2018, from https://www.boia.org/blog/best-fonts-to-use-for-website-accessibility
- Equal Opportunity and Access at Oregon State University. (2017, July 26). Descriptive Links. Retrieved September 20, 2018, from <u>https://accessibility.oregonstate.edu/descriptivelinks</u>
- Talldrinkowater [username]. (2016, January 14). Color Contrast & Microsoft Word. Retrieved October 12, 2018 from <u>https://medium.com/@talldrinkowater/color-</u> <u>contrast-microsoft-word-4d3997d7ef6f</u>
- University of Washington (n.d.) Accessible Technology at the UW. Retrieved October 22, 2018 from <u>https://uw.edu/accessibility</u>

Resources

- Web AIM. (n.d.). Alternative Text. Retrieved October 12, 2018, from <u>https://webaim.org/techniques/alttext</u>
- WebAIM. (n.d.). Links and Hypertext: Introduction to Links and Hypertext. Retrieved September 20, 2018, from <u>https://webaim.org/techniques/hypertext</u>
- Wild, G. (2017, June 21). Making Accessible Links: 15 Golden Rules For Developers. Retrieved September 20, 2018, from <u>https://www.sitepoint.com/15-rules-making-accessible-links</u>