

ADA Color Contrast Compliance

Blackboard 9.0

Currently, for full ADA compliance with WCAG 2.0, color contrast in courses must have a ratio of 5:1 for level 2 compliance and a ratio of 10:1 for level 3 compliance. In an effort to support the highest standard of quality, we would like for all courses to strive to meet level 3 compliance.

Below, please find tables of all available table colors provided by Blackboard currently. These colors have been checked for contrast compliance with a WHITE (#FFFFFF) background since this is the only background blackboard has for items at this time.




- [Level 3 Compliant Colors](#)
- [Level 2 Compliant Colors only](#)
- [Non-Compliant Colors](#)

If you would like to use a color that is not listed below, please make sure to check its contrast. To do so, follow these steps:














- Go to <http://www.visionaustralia.org.au/ais/toolbar/> and click on the link called "Download the Web Accessibility Toolbar".
- You will download a .zip file. You will need to extract this file and then run the executable file called WAT_EN_1-2.exe
- Open up Internet Explorer.
NOTE: This toolbar works ONLY in Internet Explorer. Although we always strongly recommend the use of Firefox for all Blackboard work, you will need to use Internet Explorer (IE) to test for contrast.
- If you do not see a toolbar in your IE window called "AIS Web Accessibility Toolbar", right-click anywhere in a grey area on the menu bar and make sure that there is a check mark beside the words "Accessibility Toolbar".
- Once you have the toolbar working, you will need to select the option for "Colour" and then the option for "Contrast Analyser [application]" This will create a new popup window.
- In this popup window, you will see two boxes where you can enter hexadecimal values for color. The top color is the color you would like your text to be. The bottom color is the background color (which will always be white with Blackboard). If you do not know the hexadecimal value for the color you would like to use, select the "Dropper" tool and bring it down over the text on the page. It should automatically recognize the color. The tool will tell you what level of compliance (if any) the selected color meets.







Colors that are Level 3 Compliant




Color	Hex Code	Ratio	Level 2 Compliant	Level 3 Compliant
	#330000	18.7	YES	YES
	#330033	18.02	YES	YES
	#330066	15.96	YES	YES
	#330099	13.19	YES	YES
	#3300CC	10.46	YES	YES
	#0000CC	11.15	YES	YES
	#000099	14.29	YES	YES
	#000066	17.61	YES	YES
	#000033	20.16	YES	YES
	#000000	21	YES	YES
	#333300	13.65	YES	YES
	#333333	13.29	YES	YES
	#333366	12.14	YES	YES
	#333399	10.46	YES	YES
	#003399	11.15	YES	YES
	#003366	13.07	YES	YES
	#003333	14.42	YES	YES
	#003300	14.84	YES	YES
	#663300	10.60	YES	YES
	#663333	10.38	YES	YES
	#660000	13.41	YES	YES

	#660033	13.06	YES	YES
	#660066	11.94	YES	YES
	#660099	10.32	YES	YES

Colors that are Level 2 Compliant Only















Color	Hex Code	Ratio	Level 2 Compliant	Level 3 Compliant
	#3300FF	8.18	YES	NO
	#0000FF	8.59	YES	NO
	#3333CC	8.67	YES	NO
	#3333FF	7.04	YES	NO
	#0033FF	7.35	YES	NO
	#0033CC	9.14	YES	NO
	#336600	6.93	YES	NO
	#336633	6.86	YES	NO
	#336666	6.52	YES	NO
	#336699	6.00	YES	NO
	#3366CC	5.37	YES	NO
	#0066CC	5.54	YES	NO
	#006699	6.22	YES	NO
	#006666	6.78	YES	NO
	#006633	7.13	YES	NO
	#006600	7.23	YES	NO

	#666600	6.05	YES	NO
	#666633	5.98	YES	NO
	#666666	5.73	YES	NO
	#666699	5.33	YES	NO
	#663366	9.66	YES	NO
	#663399	8.57	YES	NO
	#6633CC	7.33	YES	NO
	#6633FF	6.13	YES	NO
	#9933CC	5.71	YES	NO
	#993399	6.43	YES	NO
	#993366	7.03	YES	NO
	#993333	7.40	YES	NO
	#993300	7.51	YES	NO
	#6600CC	8.57	YES	NO
	#6600FF	6.98	YES	NO
	#9900FF	5.49	YES	NO
	#9900CC	6.43	YES	NO
	#990099	7.36	YES	NO
	#990066	8.16	YES	NO
	#990033	8.66	YES	NO
	#990000	8.82	YES	NO
	#CC0099	5.16	YES	NO
	#CC0066	5.53	YES	NO
	#CC0033	5.76	YES	NO
				



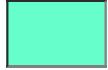
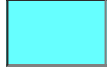
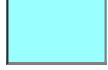




















	#CC0000	5.83	YES	NO
	#CC3333	5.17	YES	NO
	#CC3300	5.23	YES	NO

Colors that are Non-Compliant

(And should not be used at all)






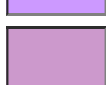











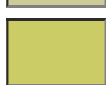



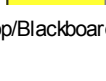
Color	Hex Code	Ratio	Level 2 Compliant	Level 3 Compliant
	#3366FF	4.70	NO	NO
	#0066FF	4.83	NO	NO
	#339900	3.64	NO	NO
	#339933	3.61	NO	NO
	#339966	3.52	NO	NO
	#339999	3.36	NO	NO
	#3399CC	3.15	NO	NO
	#3399FF	2.91	NO	NO
	#0099FF	2.96	NO	NO
	#0099CC	3.21	NO	NO
	#009999	3.43	NO	NO
	#009966	3.59	NO	NO
	#009933	3.69	NO	NO
	#009900	3.72	NO	NO
	#33CC00	2.13	NO	NO

#33CC33	2.12	NO	NO
#33CC66	2.09	NO	NO
#33CC99	2.03	NO	NO
#33CCCC	1.95	NO	NO
#33CCFF	1.85	NO	NO
#00CCFF	1.88	NO	NO
#00CCCC	1.97	NO	NO
#00CC99	2.05	NO	NO
#00CC66	2.11	NO	NO
#00CC33	2.14	NO	NO
#00CC00	2.15	NO	NO
#33FF00	1.36	NO	NO
#33FF33	1.36	NO	NO
#33FF66	1.34	NO	NO
#33FF99	1.32	NO	NO
#33FFCC	1.29	NO	NO
#33FFFF	1.24	NO	NO
#00FFFF	1.25	NO	NO
#00FFCC	1.30	NO	NO
#00FF99	1.33	NO	NO
#00FF66	1.36	NO	NO
#00FF33	1.37	NO	NO
#00FF00	1.37	NO	NO
#66FF00	1.32	NO	NO
#66FF33	1.32	NO	NO

	#66FF66	1.31	NO	NO
	#66FF99	1.29	NO	NO
	#66FFCC	1.25	NO	NO
	#66FFFF	1.21	NO	NO
	#99FFFF	1.16	NO	NO
	#99FFCC	1.20	NO	NO
	#99FF99	1.22	NO	NO
	#99FF66	1.24	NO	NO
	#99FF33	1.26	NO	NO
	#99FF00	1.26	NO	NO
	#66CC00	2.03	NO	NO
	#66CC33	2.03	NO	NO
	#66CC66	2.00	NO	NO
	#66CC99	1.95	NO	NO
	#66CCCC	1.87	NO	NO
	#66CCFF	1.78	NO	NO
	#99CCFF	1.67	NO	NO
	#99CCCC	1.75	NO	NO
	#99CC99	1.81	NO	NO
	#99CC66	1.85	NO	NO
	#99CC33	1.88	NO	NO
	#99CC00	1.89	NO	NO
	#669900	3.38	NO	NO
	#669933	3.36	NO	NO
	#669966	3.28	NO	NO

	#669999	3.14	NO	NO
	#6699CC	2.96	NO	NO
	#6699FF	2.74	NO	NO
	#9999FF	2.48	NO	NO
	#9999CC	2.65	NO	NO
	#999999	2.80	NO	NO
	#999966	2.91	NO	NO
	#999933	2.97	NO	NO
	#999900	2.99	NO	NO
	#6666CC	4.82	NO	NO
	#6666FF	4.27	NO	NO
	#9966FF	3.66	NO	NO
	#9966CC	4.06	NO	NO
	#996699	4.41	NO	NO
	#996666	4.69	NO	NO
	#996633	4.85	NO	NO
	#996600	4.90	NO	NO
	#9933FF	4.95	NO	NO
	#FF0000	4.00	NO	NO
	#FF0033	3.97	NO	NO
	#FF0066	3.86	NO	NO
	#FF0099	3.67	NO	NO
	#FF00CC	3.42	NO	NO
	#FF00FF	3.14	NO	NO

	#CC00FF	4.16	NO	NO
	#CC00CC	4.68	NO	NO
	#FF3300	3.71	NO	NO
	#FF3333	3.68	NO	NO
	#FF3366	3.58	NO	NO
	#FF3399	3.42	NO	NO
	#FF33CC	3.21	NO	NO
	#FF33FF	2.95	NO	NO
	#CC33FF	3.85	NO	NO
	#CC33CC	4.28	NO	NO
	#CC3399	4.68	NO	NO
	#CC3366	4.99	NO	NO
	#FF6600	2.93	NO	NO
	#FF6633	2.92	NO	NO
	#FF6666	2.86	NO	NO
	#FF6699	2.75	NO	NO
	#FF66CC	2.61	NO	NO
	#FF66FF	2.44	NO	NO
	#CC66FF	3.02	NO	NO
	#CC66CC	3.29	NO	NO
	#CC6699	3.51	NO	NO
	#CC6666	3.68	NO	NO
	#CC6633	3.78	NO	NO
	#CC6600	3.81	NO	NO
	#FF9900	2.12	NO	NO

	#FF9933	2.11	NO	NO
	#FF9966	2.08	NO	NO
	#FF9999	2.02	NO	NO
	#FF99CC	1.95	NO	NO
	#FF99FF	1.85	NO	NO
	#CC99FF	2.17	NO	NO
	#CC99CC	2.30	NO	NO
	#CC9999	2.41	NO	NO
	#CC9966	2.49	NO	NO
	#CC9933	2.53	NO	NO
	#CC9900	2.54	NO	NO
	#FFCC00	1.50	NO	NO
	#FFCC33	1.49	NO	NO
	#FFCC66	1.48	NO	NO
	#FFCC99	1.45	NO	NO
	#FFCCCC	1.41	NO	NO
	#FFCCFF	1.36	NO	NO
	#CCCCFF	1.52	NO	NO
	#CCCCCC	1.59	NO	NO
	#CCCC99	1.64	NO	NO
	#CCCC66	1.67	NO	NO
	#CCCC33	1.69	NO	NO
	#CCCC00	1.70	NO	NO
	#FFFF00	1.07	NO	NO

#FFFF33	1.07	NO	NO
#FFFF66	1.06	NO	NO
#FFFF99	1.05	NO	NO
#FFFFCC	1.03	NO	NO
#FFFFFF	1.00	NO	NO
#CCFFFF	1.09	NO	NO
#CCFFCC	1.12	NO	NO
#CCFF99	1.14	NO	NO
#CCFF66	1.16	NO	NO
#CCFF33	1.17	NO	NO
#CCFF00	1.17	NO	NO