

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(B6CDE2)	Hex(9BB2C6)	Hex(8197AB)	Hex(677D90)	Hex(4E6476)	Hex(374C5E)	Hex(1F3646)	Hex(072030)	Hex(00091B)	Hex(000000)
Hex(B6CDE2)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 12.15 Passed ⁶	Ratio: 12.82 Passed ⁶
Hex(9BB2C6)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 9.08 Passed ⁶	Ratio: 9.58 Passed ⁶
Hex(8197AB)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(677D90)	Ratio: 2.61 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(4E6476)	Ratio: 3.76 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(374C5E)	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(1F3646)	Ratio: 7.66 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(072030)	Ratio: 10.19 Passed ⁶	Ratio: 7.61 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(00091B)	Ratio: 12.15 Passed ⁶	Ratio: 9.08 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 12.82 Passed ⁶	Ratio: 9.58 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.05 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.