

Converting Colors - WCAG Matrix

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

	Hex(120D0D)	Hex(272323)	Hex(3C3838)	Hex(534F4F)	Hex(6C6767)	Hex(858080)	Hex(9F9A9A)	Hex(BAB5B5)	Hex(D5D0D0)	Hex(F2EDED)
Hex(120D0D)		Ratio: 1.24 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 9.52 Passed ⁶	Ratio: 12.64 Passed ⁶	Ratio: 16.63 Passed ⁶
Hex(272323)	Ratio: 1.24 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 13.41 Passed ⁶
Hex(3C3838)	Ratio: 1.67 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.98 Passed ⁶
Hex(534F4F)	Ratio: 2.39 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴
Hex(6C6767)	Ratio: 3.46 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(858080)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(9F9A9A)	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(BAB5B5)	Ratio: 9.52 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(D5D0D0)	Ratio: 12.64 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(F2EDED)	Ratio: 16.63 Passed ⁶	Ratio: 13.41 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 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.

This PDF was generated on convertingcolors.com.