

Converting Colors - WCAG Matrix

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

	Hex(190A0A)	Hex(2D2121)	Hex(443636)	Hex(5B4D4D)	Hex(746565)	Hex(8D7E7E)	Hex(A89898)	Hex(C3B2B3)	Hex(DFCECE)	Hex(FCEAEA)
Hex(190A0A)		Ratio: 1.24 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 9.49 Passed ⁶	Ratio: 12.72 Passed ⁶	Ratio: 16.61 Passed ⁶
Hex(2D2121)	Ratio: 1.24 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 13.39 Passed ⁶
Hex(443636)	Ratio: 1.68 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.91 Passed ⁶
Hex(5B4D4D)	Ratio: 2.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(746565)	Ratio: 3.48 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(8D7E7E)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(A89898)	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(C3B2B3)	Ratio: 9.49 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(DFCECE)	Ratio: 12.72 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(FCEAEA)	Ratio: 16.61 Passed ⁶	Ratio: 13.39 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 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.

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