

Converting Colors - WCAG Matrix

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

	Hex(E5DFE9)	Hex(C9C3CD)	Hex(AEA8B1)	Hex(938D97)	Hex(79747D)	Hex(615B64)	Hex(49444C)	Hex(322E35)	Hex(1D1920)	Hex(000000)
Hex(E5DFE9)		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 13.25 Passed ⁶	Ratio: 16.06 Passed ⁶
Hex(C9C3CD)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 12.17 Passed ⁶
Hex(AEA8B1)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 9.04 Passed ⁶
Hex(938D97)	Ratio: 2.47 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(79747D)	Ratio: 3.49 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(615B64)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.19 AA 18pt ²
Hex(49444C)	Ratio: 7.25 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(322E35)	Ratio: 10.18 Passed ⁶	Ratio: 7.71 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(1D1920)	Ratio: 13.25 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000000)	Ratio: 16.06 Passed ⁶	Ratio: 12.17 Passed ⁶	Ratio: 9.04 Passed ⁶	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.21 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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