

Converting Colors - WCAG Matrix

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

	Hex(FFFFFF5)	Hex(E2E2D8)	Hex(C6C6BD)	Hex(ABABA2)	Hex(919187)	Hex(77776E)	Hex(5E5E56)	Hex(47473F)	Hex(303029)	Hex(1B1B14)
Hex(FFFFFF5)		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 9.31 Passed ⁶	Ratio: 13.21 Passed ⁶	Ratio: 17.20 Passed ⁶
Hex(E2E2D8)	Ratio: 1.30 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 13.27 Passed ⁶
Hex(C6C6BD)	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.07 Passed ⁶
Hex(ABABA2)	Ratio: 2.30 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶
Hex(919187)	Ratio: 3.16 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴
Hex(77776E)	Ratio: 4.49 AA 18pt ²	Ratio: 3.46 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.83 AA 18pt ²
Hex(5E5E56)	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.65 Failed ⁵
Hex(47473F)	Ratio: 9.31 Passed ⁶	Ratio: 7.19 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(303029)	Ratio: 13.21 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(1B1B14)	Ratio: 17.20 Passed ⁶	Ratio: 13.27 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 7.48 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.30 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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