

Converting Colors - WCAG Matrix

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

	Hex(FFFBFA)	Hex(E2DEDD)	Hex(C6C3C2)	Hex(ABA7A6)	Hex(918D8C)	Hex(777373)	Hex(5E5B5A)	Hex(474343)	Hex(302D2D)	Hex(1B1918)
Hex(FFFBFA)		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 9.49 Passed ⁶	Ratio: 13.28 Passed ⁶	Ratio: 17.04 Passed ⁶
Hex(E2DEDD)	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 13.12 Passed ⁶
Hex(C6C3C2)	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.79 Passed ⁶	Ratio: 10.00 Passed ⁶
Hex(ABA7A6)	Ratio: 2.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶
Hex(918D8C)	Ratio: 3.20 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴
Hex(777373)	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.74 AA 18pt ²
Hex(5E5B5A)	Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(474343)	Ratio: 9.49 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(302D2D)	Ratio: 13.28 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 7.79 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(1B1918)	Ratio: 17.04 Passed ⁶	Ratio: 13.12 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 7.35 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.28 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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