

Converting Colors - WCAG Matrix

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

	Hex(FFEEDF)	Hex(F7D2C3)	Hex(DAB6A8)	Hex(BE9B8D)	Hex(A28174)	Hex(88685B)	Hex(6E5044)	Hex(55392D)	Hex(3C2319)	Hex(270F00)
Hex(FFEEDF)		Ratio: 1.24 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 9.23 Passed ⁶	Ratio: 12.82 Passed ⁶	Ratio: 16.06 Passed ⁶
Hex(F7D2C3)	Ratio: 1.24 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 10.34 Passed ⁶	Ratio: 12.96 Passed ⁶
Hex(DAB6A8)	Ratio: 1.65 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 9.73 Passed ⁶
Hex(BE9B8D)	Ratio: 2.24 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶
Hex(A28174)	Ratio: 3.13 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴
Hex(88685B)	Ratio: 4.44 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(6E5044)	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(55392D)	Ratio: 9.23 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(3C2319)	Ratio: 12.82 Passed ⁶	Ratio: 10.34 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(270F00)	Ratio: 16.06 Passed ⁶	Ratio: 12.96 Passed ⁶	Ratio: 9.73 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.25 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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