

Converting Colors - WCAG Matrix

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

	Hex(FEEDF3)	Hex(E2D1D6)	Hex(C6B5BA)	Hex(AB9A9F)	Hex(908085)	Hex(77676C)	Hex(5E4F54)	Hex(46383D)	Hex(302327)	Hex(1B0E13)
Hex(FEEDF3)		Ratio: 1.30 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 9.86 Passed ⁶	Ratio: 13.37 Passed ⁶	Ratio: 16.68 Passed ⁶
Hex(E2D1D6)	Ratio: 1.30 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 12.80 Passed ⁶
Hex(C6B5BA)	Ratio: 1.74 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 9.58 Passed ⁶
Hex(AB9A9F)	Ratio: 2.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶
Hex(908085)	Ratio: 3.32 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(77676C)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.52 AA 18pt ²
Hex(5E4F54)	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(46383D)	Ratio: 9.86 Passed ⁶	Ratio: 7.57 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(302327)	Ratio: 13.37 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(1B0E13)	Ratio: 16.68 Passed ⁶	Ratio: 12.80 Passed ⁶	Ratio: 9.58 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.69 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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