

Converting Colors - WCAG Matrix

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

	Hex(1C1413)	Hex(FFF5F3)	Hex(473F3D)	Hex(5F5654)	Hex(786E6C)	Hex(928785)	Hex(ACA29F)	Hex(C7BDBA)	Hex(E4D8D6)
Hex(1C1413)		Ratio: 16.92 Passed ⁶	Ratio: 1.77 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 9.85 Passed ⁶	Ratio: 13.02 Passed ⁶
Hex(FFF5F3)	Ratio: 16.92 Passed ⁶		Ratio: 9.58 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.62 AA ¹ AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(473F3D)	Ratio: 1.77 Failed ⁵	Ratio: 9.58 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶
Hex(5F5654)	Ratio: 2.54 Failed ⁵	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴
Hex(786E6C)	Ratio: 3.66 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(928785)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(ACA29F)	Ratio: 7.27 Passed ⁶	Ratio: 2.33 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(C7BDBA)	Ratio: 9.85 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E4D8D6)	Ratio: 13.02 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.38 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 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.