

Converting Colors - WCAG Matrix

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

	Hex(1F1316)	Hex(FFF3F7)	Hex(4B3D41)	Hex(635458)	Hex(7B6C70)	Hex(95858A)	Hex(B0A0A4)	Hex(CCBBBF)	Hex(E8D6DB)
Hex(1F1316)		Ratio: 16.69 Passed ⁶	Ratio: 1.76 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 7.23 Passed ⁶	Ratio: 9.83 Passed ⁶	Ratio: 12.96 Passed ⁶
Hex(FFF3F7)	Ratio: 16.69 Passed ⁶		Ratio: 9.50 Passed ⁶	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(4B3D41)	Ratio: 1.76 Failed ⁵	Ratio: 9.50 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶
Hex(635458)	Ratio: 2.53 Failed ⁵	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴
Hex(7B6C70)	Ratio: 3.63 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.57 AA 18pt ²
Hex(95858A)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(B0A0A4)	Ratio: 7.23 Passed ⁶	Ratio: 2.31 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(CCBBBF)	Ratio: 9.83 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E8D6DB)	Ratio: 12.96 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 7.38 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.51 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.