

Converting Colors - WCAG Matrix

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

	Hex(191919)	Hex(FBFCFB)	Hex(444443)	Hex(5B5B5B)	Hex(747473)	Hex(8D8D8D)	Hex(A7A8A7)	Hex(C3C3C2)	Hex(DFDFDE)
Hex(191919)		Ratio: 17.10 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 9.97 Passed ⁵	Ratio: 13.18 Passed ⁶
Hex(FBFCFB)	Ratio: 17.10 Passed ⁶		Ratio: 9.48 Passed ⁵	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(444443)	Ratio: 1.80 Failed ⁵	Ratio: 9.48 Passed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶
Hex(5B5B5B)	Ratio: 2.59 Failed ⁵	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(747473)	Ratio: 3.76 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(8D8D8D)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(A7A8A7)	Ratio: 7.37 Passed ⁶	Ratio: 2.32 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(C3C3C2)	Ratio: 9.97 Passed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(DFDFDE)	Ratio: 13.18 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.31 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.49 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.