

Converting Colors - WCAG Matrix

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

	Hex(5E5858)	Hex(777070)	Hex(908A8A)	Hex(ABA4A4)	Hex(C6BFBF)	Hex(E2DBDB)	Hex(FFF8F7)	Hex(FFFFFF)
Hex(5E5858)		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴
Hex(777070)	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(908A8A)	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(ABA4A4)	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(C6BFBF)	Ratio: 3.85 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(E2DBDB)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(FFF8F7)	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FFFFFF)	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.05 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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