

Converting Colors - WCAG Matrix

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

	Hex(CC3D3D)	Hex(CC5151)	Hex(CC6666)	Hex(CC7A7A)	Hex(CC8F8F)	Hex(CCA3A3)	Hex(CCB7B7)	Hex(CCCCCC)	Hex(CCE0E0)	Hex(CCF5F5)
Hex(CC3D3D)		Ratio: 1.13 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 4.17 AA 18pt ²
Hex(CC5151)	Ratio: 1.13 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.69 AA 18pt ²
Hex(CC6666)	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(CC7A7A)	Ratio: 1.54 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(CC8F8F)	Ratio: 1.83 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(CCA3A3)	Ratio: 2.17 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(CCB7B7)	Ratio: 2.56 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(CCCCCC)	Ratio: 3.04 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(CCE0E0)	Ratio: 3.56 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(CCF5F5)	Ratio: 4.17 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 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.