

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.									
	Hex(CC3D3D)	Hex(EB5954)	Hex(FF756D)	Hex(FF9186)	Hex(FFADA0)	Hex(FFCABB)	Hex(FFE7D7)	Hex(FFFFF4)	Hex(FFFFFF)
Hex(CC3D3D)		Ratio: 1.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴
Hex(EB5954)	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 3.45 AA 18pt ²
Hex(FF756D)	Ratio: 1.86 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(FF9186)	Ratio: 2.24 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(FFADA0)	Ratio: 2.73 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(FFCABB)	Ratio: 3.35 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(FFE7D7)	Ratio: 4.11 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(FFFFF4)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFFF)	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.01 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.