

Converting Colors - WCAG Matrix

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

	Hex(CC0000)	Hex(ED351C)	Hex(FF5535)	Hex(FF734D)	Hex(FF9066)	Hex(FFAD80)	Hex(FFCA9B)	Hex(FFE8B6)	Hex(FFFFD2)	Hex(FFFFFFEF)
Hex(CC0000)		Ratio: 1.44 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 5.83 AA ¹ AAA 18pt ⁴
Hex(ED351C)	Ratio: 1.44 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.06 AA 18pt ²
Hex(FF5535)	Ratio: 1.85 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.15 AA 18pt ²
Hex(FF734D)	Ratio: 2.19 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(FF9066)	Ratio: 2.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(FFAD80)	Ratio: 3.24 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(FFCA9B)	Ratio: 3.97 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFE8B6)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(FFFFD2)	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFFEF)	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.02 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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