

Converting Colors - WCAG Matrix

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

	Hex(D25514)	Hex(FFFFFF)	Hex(FF8A49)	Hex(FFA662)	Hex(FFC27C)	Hex(FFDE97)	Hex(FFFCB3)	Hex(FFFFCF)	Hex(FFFFEB)
Hex(D25514)		Ratio: 4.16 AA 18pt ²	Ratio: 1.78 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 4.11 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.16 AA 18pt ²		Ratio: 2.34 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(FF8A49)	Ratio: 1.78 Failed ⁵	Ratio: 2.34 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(FFA662)	Ratio: 2.16 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(FFC27C)	Ratio: 2.63 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(FFDE97)	Ratio: 3.20 AA 18pt ²	Ratio: 1.30 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(FFFCB3)	Ratio: 3.93 AA 18pt ²	Ratio: 1.06 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(FFFFCF)	Ratio: 4.05 AA 18pt ²	Ratio: 1.03 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFEB)	Ratio: 4.11 AA 18pt ²	Ratio: 1.01 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 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.

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