

Converting Colors - WCAG Matrix

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

	Hex(B35900)	Hex(FFFFFF)	Hex(F08C3D)	Hex(FFA657)	Hex(FFC270)	Hex(FFDE8C)	Hex(FFFA6)	Hex(FFFC2)	Hex(FFFFDE)
Hex(B35900)		Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.96 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.82 AA ¹ AAA 18pt ⁴		Ratio: 2.46 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(F08C3D)	Ratio: 1.96 Failed ⁵	Ratio: 2.46 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(FFA657)	Ratio: 2.50 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(FFC270)	Ratio: 3.04 AA 18pt ²	Ratio: 1.59 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(FFDE8C)	Ratio: 3.70 AA 18pt ²	Ratio: 1.30 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(FFFA6)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(FFFC2)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFDE)	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.04 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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