

Converting Colors - WCAG Matrix

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

	Hex(A45B38)	Hex(C17450)	Hex(DF8E68)	Hex(FDA981)	Hex(FFC49C)	Hex(FFE0B7)	Hex(FFFDD3)	Hex(FFFEEF)	Hex(FFFFFF)
Hex(A45B38)		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.02 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 5.08 AA ¹ AAA 18pt ⁴
Hex(C17450)	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.54 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(DF8E68)	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(FDA981)	Ratio: 2.70 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(FFC49C)	Ratio: 3.30 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(FFE0B7)	Ratio: 4.02 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(FFFDD3)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(FFFEEF)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFFF)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.27 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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