

Converting Colors - WCAG Matrix

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

	Hex(BC5107)	Hex(FFFFFFE)	Hex(FB8540)	Hex(FFA059)	Hex(FFBC73)	Hex(FFD88E)	Hex(FFF5A9)	Hex(FFFC5)	Hex(FFFE1)
Hex(BC5107)		Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 1.98 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴
Hex(FFFFFFE)	Ratio: 4.86 AA ¹ AAA 18pt ⁴		Ratio: 2.46 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FB8540)	Ratio: 1.98 Failed ⁵	Ratio: 2.46 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(FFA059)	Ratio: 2.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(FFBC73)	Ratio: 2.94 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(FFD88E)	Ratio: 3.58 AA 18pt ²	Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(FFF5A9)	Ratio: 4.37 AA 18pt ²	Ratio: 1.11 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(FFFC5)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFE1)	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 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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