

Converting Colors - WCAG Matrix

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

	Hex(919191)	Hex(9F9E91)	Hex(ADAB91)	Hex(BCB991)	Hex(CAC691)	Hex(D9D391)	Hex(E7E191)	Hex(F6EE91)	Hex(FFFB91)	Hex(FFFF91)
Hex(919191)		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(9F9E91)	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(ADAB91)	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(BCB991)	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(CAC691)	Ratio: 1.80 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(D9D391)	Ratio: 2.05 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(E7E191)	Ratio: 2.34 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(F6EE91)	Ratio: 2.64 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(FFFB91)	Ratio: 2.92 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(FFFF91)	Ratio: 3.00 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.03 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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