

Converting Colors - WCAG Matrix

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

	Hex(977DB5)	Hex(A190B5)	Hex(AAA2B5)	Hex(B4B4B5)	Hex(BEC6B5)	Hex(C7D8B5)	Hex(D1EAB5)	Hex(DBFCB5)	Hex(E4FFB5)	Hex(EFFFB5)
Hex(977DB5)		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 3.31 AA 18pt ²
Hex(A190B5)	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(AAA2B5)	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(B4B4B5)	Ratio: 1.71 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(BEC6B5)	Ratio: 2.02 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(C7D8B5)	Ratio: 2.35 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(D1EAB5)	Ratio: 2.73 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(DBFCB5)	Ratio: 3.14 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(E4FFB5)	Ratio: 3.26 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(EFFFB5)	Ratio: 3.31 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 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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