

Converting Colors - WCAG Matrix

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

	Hex(946BE8)	Hex(A382E8)	Hex(B399E8)	Hex(C2B0E8)	Hex(D1C7E8)	Hex(E3DEE8)	Hex(F2F5E8)	Hex(FFFE8)
Hex(946BE8)		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.75 AA 18pt ²
Hex(A382E8)	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(B399E8)	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(C2B0E8)	Ratio: 1.93 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(D1C7E8)	Ratio: 2.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(E3DEE8)	Ratio: 2.87 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(F2F5E8)	Ratio: 3.44 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFE8)	Ratio: 3.75 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.09 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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