

Converting Colors - WCAG Matrix

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

	Hex(F240A1)	Hex(F258AC)	Hex(F270B7)	Hex(F289C2)	Hex(F2A1CD)	Hex(F2B9D8)	Hex(F2D1E3)	Hex(F2E9EE)	Hex(F2FFF9)	Hex(F2FFFF)
Hex(F240A1)		Ratio: 1.12 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(F258AC)	Ratio: 1.12 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.03 AA 18pt ²
Hex(F270B7)	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(F289C2)	Ratio: 1.52 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(F2A1CD)	Ratio: 1.79 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(F2B9D8)	Ratio: 2.11 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(F2D1E3)	Ratio: 2.49 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(F2E9EE)	Ratio: 2.93 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(F2FFF9)	Ratio: 3.39 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(F2FFFF)	Ratio: 3.41 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.00 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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