

Converting Colors - WCAG Matrix

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

	Hex(F21818)	Hex(F23030)	Hex(F24848)	Hex(F26161)	Hex(F27979)	Hex(F29191)	Hex(F2A9A9)	Hex(F2C1C1)	Hex(F2DADA)	Hex(F2F2F2)
Hex(F21818)		Ratio: 1.07 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.81 AA 18pt ²
Hex(F23030)	Ratio: 1.07 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(F24848)	Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(F26161)	Ratio: 1.35 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(F27979)	Ratio: 1.58 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(F29191)	Ratio: 1.88 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(F2A9A9)	Ratio: 2.24 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(F2C1C1)	Ratio: 2.68 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(F2DADA)	Ratio: 3.22 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(F2F2F2)	Ratio: 3.81 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 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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