

Converting Colors - WCAG Matrix

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

	Hex(F5DBDC)	Hex(F5C2C4)	Hex(F5AAAD)	Hex(F59295)	Hex(F5797E)	Hex(F56166)	Hex(F5484F)	Hex(F53037)	Hex(F51720)	Hex(F50009)
Hex(F5DBDC)		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.28 AA 18pt ²
Hex(F5C2C4)	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(F5AAAD)	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(F59295)	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(F5797E)	Ratio: 2.03 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(F56166)	Ratio: 2.37 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(F5484F)	Ratio: 2.71 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(F53037)	Ratio: 2.99 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(F51720)	Ratio: 3.19 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(F50009)	Ratio: 3.28 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 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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