

Converting Colors - WCAG Matrix

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

	Hex(FE0023)	Hex(FE1939)	Hex(FE334E)	Hex(FE4C64)	Hex(FE667A)	Hex(FE7F90)	Hex(FE98A6)	Hex(FEB2BC)	Hex(FECBD2)	Hex(FEE4E8)
Hex(FE0023)		Ratio: 1.03 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(FE1939)	Ratio: 1.03 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.23 AA 18pt ²
Hex(FE334E)	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(FE4C64)	Ratio: 1.23 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(FE667A)	Ratio: 1.41 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(FE7F90)	Ratio: 1.65 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(FE98A6)	Ratio: 1.96 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(FEB2BC)	Ratio: 2.35 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(FECBD2)	Ratio: 2.80 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FEE4E8)	Ratio: 3.34 AA 18pt ²	Ratio: 3.23 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.02 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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