

Converting Colors - WCAG Matrix

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

	Hex(FEE5E5)	Hex(FECCCC)	Hex(FEB2B2)	Hex(FE9999)	Hex(FE8080)	Hex(FE6666)	Hex(FE4D4D)	Hex(FE3333)	Hex(FE1A1A)	Hex(FE0100)
Hex(FEE5E5)		Ratio: 1.19 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 3.36 AA 18pt ²
Hex(FECCCC)	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(FEB2B2)	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(FE9999)	Ratio: 1.72 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(FE8080)	Ratio: 2.04 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(FE6666)	Ratio: 2.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(FE4D4D)	Ratio: 2.75 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(FE3333)	Ratio: 3.06 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(FE1A1A)	Ratio: 3.26 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(FE0100)	Ratio: 3.36 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.22 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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