

Converting Colors - WCAG Matrix

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

	Hex(FEFEFE)	Hex(FEE5E5)	Hex(FECBCB)	Hex(FEB2B2)	Hex(FE9898)	Hex(FE7F7F)	Hex(FE6666)	Hex(FE4C4C)	Hex(FE3333)	Hex(FE1919)
Hex(FEFEFE)		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 3.88 AA 18pt ²
Hex(FEE5E5)	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.27 AA 18pt ²
Hex(FECBCB)	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(FEB2B2)	Ratio: 1.70 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(FE9898)	Ratio: 2.05 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(FE7F7F)	Ratio: 2.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(FE6666)	Ratio: 2.85 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(FE4C4C)	Ratio: 3.28 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(FE3333)	Ratio: 3.63 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(FE1919)	Ratio: 3.88 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.07 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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