

Converting Colors - WCAG Matrix

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

	Hex(E40000)	Hex(E41717)	Hex(E42E2E)	Hex(E44444)	Hex(E45B5B)	Hex(E47272)	Hex(E48989)	Hex(E4A0A0)	Hex(E4B6B6)	Hex(E4CDCD)
Hex(E40000)		Ratio: 1.03 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(E41717)	Ratio: 1.03 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(E42E2E)	Ratio: 1.10 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(E44444)	Ratio: 1.21 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(E45B5B)	Ratio: 1.38 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(E47272)	Ratio: 1.62 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(E48989)	Ratio: 1.92 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(E4A0A0)	Ratio: 2.29 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(E4B6B6)	Ratio: 2.71 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(E4CDCD)	Ratio: 3.24 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.41 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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