

Converting Colors - WCAG Matrix

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

	Hex(CECECE)	Hex(CEB9B9)	Hex(CEA5A5)	Hex(CE9090)	Hex(CE7C7C)	Hex(CE6767)	Hex(CE5252)	Hex(CE3E3E)	Hex(CE2929)	Hex(CE1515)
Hex(CECECE)		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.36 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(CEB9B9)	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(CEA5A5)	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(CE9090)	Ratio: 1.66 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(CE7C7C)	Ratio: 1.96 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(CE6767)	Ratio: 2.32 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(CE5252)	Ratio: 2.69 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(CE3E3E)	Ratio: 3.04 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(CE2929)	Ratio: 3.36 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(CE1515)	Ratio: 3.57 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.06 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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