

Converting Colors - WCAG Matrix

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

	Hex(C7C7C7)	Hex(C7B3B3)	Hex(C79F9F)	Hex(C78B8B)	Hex(C77777)	Hex(C76464)	Hex(C75050)	Hex(C73C3C)	Hex(C72828)	Hex(C71414)
Hex(C7C7C7)		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(C7B3B3)	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(C79F9F)	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(C78B8B)	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(C77777)	Ratio: 1.96 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(C76464)	Ratio: 2.29 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(C75050)	Ratio: 2.65 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(C73C3C)	Ratio: 3.00 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(C72828)	Ratio: 3.30 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(C71414)	Ratio: 3.51 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.33 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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