

Converting Colors - WCAG Matrix

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

	Hex(7C2122)	Hex(7C2D2E)	Hex(7C3A3B)	Hex(7C4647)	Hex(7C5353)	Hex(7C5F5F)	Hex(7C6B6C)	Hex(7C7878)	Hex(7C8484)	Hex(7C9190)
Hex(7C2122)		Ratio: 1.08 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(7C2D2E)	Ratio: 1.08 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(7C3A3B)	Ratio: 1.20 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(7C4647)	Ratio: 1.35 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(7C5353)	Ratio: 1.53 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(7C5F5F)	Ratio: 1.74 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(7C6B6C)	Ratio: 1.99 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(7C7878)	Ratio: 2.30 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(7C8484)	Ratio: 2.62 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(7C9190)	Ratio: 3.01 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 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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