

Converting Colors - WCAG Matrix

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

	Hex(999999)	Hex(998A8A)	Hex(997B7B)	Hex(996B6B)	Hex(995C5C)	Hex(994D4D)	Hex(993D3D)	Hex(992E2E)	Hex(991F1F)	Hex(990F0F)
Hex(999999)		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(998A8A)	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(997B7B)	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(996B6B)	Ratio: 1.58 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(995C5C)	Ratio: 1.82 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(994D4D)	Ratio: 2.09 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(993D3D)	Ratio: 2.39 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(992E2E)	Ratio: 2.65 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(991F1F)	Ratio: 2.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(990F0F)	Ratio: 3.03 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.15 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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