

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(79789C) Hex(9291C9) Hex(8A789C) Hex(47474F) Hex(04008F) Hex(00000F)

Hex(79789C)		Ratio: 1.43 Failed⁵	Ratio: 1.05 Failed⁵	Ratio: 2.18 Failed⁵	Ratio: 3.55 AA 18pt²	Ratio: 4.95 AA¹ AAA 18pt⁴
Hex(9291C9)	Ratio: 1.43 Failed⁵		Ratio: 1.36 Failed⁵	Ratio: 3.12 AA 18pt²	Ratio: 5.08 AA¹ AAA 18pt⁴	Ratio: 7.07 Passed⁶
Hex(8A789C)	Ratio: 1.05 Failed⁵	Ratio: 1.36 Failed⁵		Ratio: 2.30 Failed⁵	Ratio: 3.74 AA 18pt²	Ratio: 5.21 AA¹ AAA 18pt⁴
Hex(47474F)	Ratio: 2.18 Failed⁵	Ratio: 3.12 AA 18pt²	Ratio: 2.30 Failed⁵		Ratio: 1.63 Failed⁵	Ratio: 2.27 Failed⁵
Hex(04008F)	Ratio: 3.55 AA 18pt²	Ratio: 5.08 AA¹ AAA 18pt⁴	Ratio: 3.74 AA 18pt²	Ratio: 1.63 Failed⁵		Ratio: 1.39 Failed⁵
Hex(00000F)	Ratio: 4.95 AA¹ AAA 18pt⁴	Ratio: 7.07 Passed⁶	Ratio: 5.21 AA¹ AAA 18pt⁴	Ratio: 2.27 Failed⁵	Ratio: 1.39 Failed⁵	

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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