

Converting Colors - WCAG Matrix

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

	Hex(AFAFAF)	Hex(AF9D9D)	Hex(AF8C8C)	Hex(AF7A7A)	Hex(AF6969)	Hex(AF5757)	Hex(AF4646)	Hex(AF3434)	Hex(AF2323)	Hex(AF1111)
Hex(AFAFAF)		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.29 AA 18pt ²
Hex(AF9D9D)	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(AF8C8C)	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(AF7A7A)	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(AF6969)	Ratio: 1.90 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(AF5757)	Ratio: 2.21 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(AF4646)	Ratio: 2.53 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(AF3434)	Ratio: 2.85 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(AF2323)	Ratio: 3.10 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(AF1111)	Ratio: 3.29 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.16 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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