

Converting Colors - WCAG Matrix

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

	Hex(6580A9)	Hex(768AA9)	Hex(8794A9)	Hex(989FA9)	Hex(A9A9A9)	Hex(B9B3A9)	Hex(CABDA9)	Hex(DBC7A9)	Hex(ECD1A9)	Hex(FDDCA9)
Hex(6580A9)		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(768AA9)	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(8794A9)	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(989FA9)	Ratio: 1.51 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(A9A9A9)	Ratio: 1.71 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(B9B3A9)	Ratio: 1.93 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(CABDA9)	Ratio: 2.18 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(DBC7A9)	Ratio: 2.45 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(ECD1A9)	Ratio: 2.73 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(FDDCA9)	Ratio: 3.07 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 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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