

Converting Colors - WCAG Matrix

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

	Hex(A2AAB6)	Hex(909FB6)	Hex(7E94B6)	Hex(6B89B6)	Hex(597EB6)	Hex(4773B6)	Hex(3568B6)	Hex(235EB6)	Hex(1053B6)	Hex(0049B6)
Hex(A2AAB6)		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(909FB6)	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(7E94B6)	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(6B89B6)	Ratio: 1.52 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(597EB6)	Ratio: 1.76 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(4773B6)	Ratio: 2.04 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(3568B6)	Ratio: 2.35 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(235EB6)	Ratio: 2.68 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(1053B6)	Ratio: 3.05 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(0049B6)	Ratio: 3.41 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 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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