

Converting Colors - WCAG Matrix

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

Hex(667CCC) Hex(6688FF) Hex(8166CC) Hex(5C5E66) Hex(0024A6) Hex(000826)

	Hex(667CCC)	Hex(6688FF)	Hex(8166CC)	Hex(5C5E66)	Hex(0024A6)	Hex(000826)
Hex(667CCC)		Ratio: 1.23 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(6688FF)	Ratio: 1.23 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 6.14 AA ¹ AAA 18pt ⁴
Hex(8166CC)	Ratio: 1.13 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 4.43 AA 18pt ²
Hex(5C5E66)	Ratio: 1.64 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.80 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(0024A6)	Ratio: 2.95 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.80 Failed ⁵		Ratio: 1.70 Failed ⁵
Hex(000826)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 1.70 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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