

Converting Colors - WCAG Matrix

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

	Hex(6A8FE1)	Hex(4C76C5)	Hex(2C5DA9)	Hex(00468E)	Hex(003074)	Hex(001B5B)	Hex(000043)	Hex(00032C)	Hex(000116)	Hex(000000)
Hex(6A8FE1)		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴
Hex(4C76C5)	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 4.48 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 4.71 AA ¹ AAA 18pt ⁴
Hex(2C5DA9)	Ratio: 2.04 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(00468E)	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(003074)	Ratio: 3.96 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(001B5B)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(000043)	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(00032C)	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 4.48 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000116)	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 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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