

Converting Colors - WCAG Matrix

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

	Hex(7180F4)	Hex(5267D7)	Hex(2F4FBB)	Hex(00399F)	Hex(002485)	Hex(00126B)	Hex(000052)	Hex(00053A)	Hex(000223)	Hex(00000A)
Hex(7180F4)		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴
Hex(5267D7)	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(2F4FBB)	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(00399F)	Ratio: 2.92 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(002485)	Ratio: 3.83 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(00126B)	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(000052)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(00053A)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(000223)	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(00000A)	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 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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