

Converting Colors - WCAG Matrix

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

	Hex(B035FF)	Hex(9203E2)	Hex(7300C5)	Hex(5400A9)	Hex(33008D)	Hex(060073)	Hex(000059)	Hex(000741)	Hex(00032A)	Hex(000114)
Hex(B035FF)		Ratio: 1.44 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴
Hex(9203E2)	Ratio: 1.44 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 3.29 AA 18pt ²
Hex(7300C5)	Ratio: 1.89 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(5400A9)	Ratio: 2.46 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(33008D)	Ratio: 3.15 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(060073)	Ratio: 3.82 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(000059)	Ratio: 4.19 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(000741)	Ratio: 4.34 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032A)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000114)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 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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