

Converting Colors - WCAG Matrix

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

	Hex(B8B8FF)	Hex(9C9DE2)	Hex(8183C6)	Hex(676AAB)	Hex(4D5290)	Hex(333B76)	Hex(17265D)	Hex(001245)	Hex(00012E)	Hex(000118)
Hex(B8B8FF)		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 10.86 Passed ⁶	Ratio: 11.14 Passed ⁶
Hex(9C9DE2)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 7.98 Passed ⁶	Ratio: 8.19 Passed ⁶
Hex(8183C6)	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 5.89 AA ¹ AAA 18pt ⁴
Hex(676AAB)	Ratio: 2.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 4.15 AA 18pt ²
Hex(4D5290)	Ratio: 3.88 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(333B76)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(17265D)	Ratio: 7.70 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(001245)	Ratio: 9.67 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(00012E)	Ratio: 10.86 Passed ⁶	Ratio: 7.98 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000118)	Ratio: 11.14 Passed ⁶	Ratio: 8.19 Passed ⁶	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.15 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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