

Converting Colors - WCAG Matrix

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

	Hex(D2E0FF)	Hex(B6C4E2)	Hex(9BA9C6)	Hex(818EAB)	Hex(677590)	Hex(4E5C77)	Hex(37455E)	Hex(202F46)	Hex(081A30)	Hex(00011B)
Hex(D2E0FF)		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 13.20 Passed ⁶	Ratio: 15.53 Passed ⁶
Hex(B6C4E2)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 11.75 Passed ⁶
Hex(9BA9C6)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 8.71 Passed ⁶
Hex(818EAB)	Ratio: 2.48 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴
Hex(677590)	Ratio: 3.50 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(4E5C77)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(37455E)	Ratio: 7.28 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(202F46)	Ratio: 10.18 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(081A30)	Ratio: 13.20 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(00011B)	Ratio: 15.53 Passed ⁶	Ratio: 11.75 Passed ⁶	Ratio: 8.71 Passed ⁶	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.18 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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