

Converting Colors - WCAG Matrix

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

	Hex(A9EEFF)	Hex(8DD2E2)	Hex(71B6C6)	Hex(569BAB)	Hex(3A8190)	Hex(1A6877)	Hex(00505E)	Hex(003846)	Hex(002330)	Hex(00031C)
Hex(A9EEFF)		Ratio: 1.31 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 12.75 Passed ⁶	Ratio: 15.89 Passed ⁶
Hex(8DD2E2)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 12.09 Passed ⁶
Hex(71B6C6)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.94 Passed ⁶
Hex(569BAB)	Ratio: 2.45 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴
Hex(3A8190)	Ratio: 3.46 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(1A6877)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(00505E)	Ratio: 7.09 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(003846)	Ratio: 9.89 Passed ⁶	Ratio: 7.53 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(002330)	Ratio: 12.75 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(00031C)	Ratio: 15.89 Passed ⁶	Ratio: 12.09 Passed ⁶	Ratio: 8.94 Passed ⁶	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.25 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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