

Converting Colors - WCAG Matrix

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

	Hex(A0A5B0)	Hex(868B95)	Hex(6D727B)	Hex(545963)	Hex(3D424B)	Hex(272C34)	Hex(13171F)	Hex(000006)	Hex(000000)
Hex(A0A5B0)		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 8.48 Passed ⁶	Ratio: 8.50 Passed ⁶
Hex(868B95)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 6.14 AA ¹ AAA 18pt ⁴
Hex(6D727B)	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.33 AA 18pt ²	Ratio: 4.34 AA 18pt ²
Hex(545963)	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(3D424B)	Ratio: 4.09 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(272C34)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(13171F)	Ratio: 7.27 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(000006)	Ratio: 8.48 Passed ⁶	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 4.33 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 8.50 Passed ⁶	Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 4.34 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.00 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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