

Converting Colors - WCAG Matrix

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

	Hex(D6D7FF)	Hex(BABBE2)	Hex(9FA0C6)	Hex(8586AB)	Hex(6B6D90)	Hex(525577)	Hex(3A3E5E)	Hex(232846)	Hex(0D142F)	Hex(000000)
Hex(D6D7FF)		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 12.97 Passed ⁶	Ratio: 15.02 Passed ⁶
Hex(BABBE2)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.75 Passed ⁶	Ratio: 11.29 Passed ⁶
Hex(9FA0C6)	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.32 Passed ⁶
Hex(8586AB)	Ratio: 2.51 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.00 AA ¹ AAA 18pt ⁴
Hex(6B6D90)	Ratio: 3.56 AA 18pt ²	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: 2.88 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.22 AA 18pt ²
Hex(525577)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(3A3E5E)	Ratio: 7.40 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(232846)	Ratio: 10.27 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(0D142F)	Ratio: 12.97 Passed ⁶	Ratio: 9.75 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(000000)	Ratio: 15.02 Passed ⁶	Ratio: 11.29 Passed ⁶	Ratio: 8.32 Passed ⁶	Ratio: 6.00 AA ¹ AAA 18pt ⁴	Ratio: 4.22 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.16 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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