

Converting Colors - WCAG Matrix

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

	Hex(D8DBE1)	Hex(BCBFC5)	Hex(A1A4AA)	Hex(878A8F)	Hex(6E7176)	Hex(55585D)	Hex(3E4146)	Hex(282B2F)	Hex(14171B)	Hex(000000)
Hex(D8DBE1)		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 12.96 Passed ⁶	Ratio: 15.14 Passed ⁶
Hex(BCBFC5)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.76 Passed ⁶	Ratio: 11.40 Passed ⁶
Hex(A1A4AA)	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶	Ratio: 8.41 Passed ⁶
Hex(878A8F)	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.06 AA ¹ AAA 18pt ⁴
Hex(6E7176)	Ratio: 3.53 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.29 AA 18pt ²
Hex(55585D)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(3E4146)	Ratio: 7.39 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(282B2F)	Ratio: 10.25 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(14171B)	Ratio: 12.96 Passed ⁶	Ratio: 9.76 Passed ⁶	Ratio: 7.20 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 15.14 Passed ⁶	Ratio: 11.40 Passed ⁶	Ratio: 8.41 Passed ⁶	Ratio: 6.06 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.17 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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