

Converting Colors - WCAG Matrix

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

	Hex(DAE9F1)	Hex(BECDD5)	Hex(A3B1B9)	Hex(89979E)	Hex(6F7D84)	Hex(57646B)	Hex(3F4C53)	Hex(29353C)	Hex(142026)	Hex(000911)
Hex(DAE9F1)		Ratio: 1.31 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 13.37 Passed ⁶	Ratio: 16.14 Passed ⁶
Hex(BECDD5)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 12.30 Passed ⁶
Hex(A3B1B9)	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶	Ratio: 9.12 Passed ⁶
Hex(89979E)	Ratio: 2.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴
Hex(6F7D84)	Ratio: 3.42 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴
Hex(57646B)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(3F4C53)	Ratio: 7.13 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(29353C)	Ratio: 10.13 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(142026)	Ratio: 13.37 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 7.55 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000911)	Ratio: 16.14 Passed ⁶	Ratio: 12.30 Passed ⁶	Ratio: 9.12 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 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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