

Converting Colors - WCAG Matrix

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

	Hex(B9C2F3)	Hex(9EA7D7)	Hex(838DBB)	Hex(6973A0)	Hex(505B85)	Hex(37436C)	Hex(1E2D53)	Hex(02193C)	Hex(000026)	Hex(00010F)
Hex(B9C2F3)		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 11.74 Passed ⁶	Ratio: 11.94 Passed ⁶
Hex(9EA7D7)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.43 Passed ⁶	Ratio: 8.72 Passed ⁶	Ratio: 8.86 Passed ⁶
Hex(838DBB)	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 6.42 AA ¹ AAA 18pt ⁴
Hex(6973A0)	Ratio: 2.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(505B85)	Ratio: 3.80 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.14 AA 18pt ²
Hex(37436C)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(1E2D53)	Ratio: 7.76 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(02193C)	Ratio: 10.00 Passed ⁶	Ratio: 7.43 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(000026)	Ratio: 11.74 Passed ⁶	Ratio: 8.72 Passed ⁶	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(00010F)	Ratio: 11.94 Passed ⁶	Ratio: 8.86 Passed ⁶	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.02 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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