

Converting Colors - WCAG Matrix

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

	Hex(8ED1B3)	Hex(74B698)	Hex(599B7E)	Hex(3F8065)	Hex(25674D)	Hex(034E37)	Hex(003721)	Hex(00220B)	Hex(000000)
Hex(8ED1B3)		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 11.92 Passed ⁶
Hex(74B698)	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶	Ratio: 8.89 Passed ⁶
Hex(599B7E)	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(3F8065)	Ratio: 2.66 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.49 AA 18pt ²
Hex(25674D)	Ratio: 3.81 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(034E37)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(003721)	Ratio: 7.60 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(00220B)	Ratio: 9.66 Passed ⁶	Ratio: 7.20 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 11.92 Passed ⁶	Ratio: 8.89 Passed ⁶	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 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.