

Converting Colors - WCAG Matrix

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

	Hex(1534BB)	Hex(2843BB)	Hex(3A52BB)	Hex(4D62BB)	Hex(6071BB)	Hex(7380BB)	Hex(858FBB)	Hex(989EBB)	Hex(ABAE BB)	Hex(BDBDBB)
Hex(1534BB)		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(2843BB)	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.64 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(3A52BB)	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.60 AA 18pt ²
Hex(4D62BB)	Ratio: 1.69 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(6071BB)	Ratio: 2.04 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(7380BB)	Ratio: 2.47 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(858FBB)	Ratio: 2.97 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(989EBB)	Ratio: 3.55 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(ABAE BB)	Ratio: 4.24 AA 18pt ²	Ratio: 3.64 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(BDBDBB)	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.40 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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