

Converting Colors - WCAG Matrix

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

	Hex(AA5684)	Hex(AA678C)	Hex(AA7893)	Hex(AA899B)	Hex(AA9AA3)	Hex(AAABAA)	Hex(AABCB2)	Hex(AACDBA)	Hex(AADEC2)	Hex(AAEFC9)
Hex(AA5684)		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.64 AA 18pt ²
Hex(AA678C)	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.16 AA 18pt ²
Hex(AA7893)	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(AA899B)	Ratio: 1.55 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(AA9AA3)	Ratio: 1.80 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(AAABAA)	Ratio: 2.08 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(AABCB2)	Ratio: 2.41 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(AACDBA)	Ratio: 2.78 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(AADEC2)	Ratio: 3.19 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(AAEFC9)	Ratio: 3.64 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 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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