

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(91817E)	Hex(918D8D)	Hex(91999B)	Hex(91A6AA)	Hex(91B2B8)	Hex(91BEC6)	Hex(91CAD5)	Hex(91D6E4)	Hex(91E3F2)	Hex(91EFFF)
Hex(91817E)		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(918D8D)	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(91999B)	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(91A6AA)	Ratio: 1.46 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(91B2B8)	Ratio: 1.64 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(91BEC6)	Ratio: 1.84 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(91CAD5)	Ratio: 2.06 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(91D6E4)	Ratio: 2.29 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(91E3F2)	Ratio: 2.56 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(91EFFF)	Ratio: 2.83 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 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.