

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(40B6E9)	Hex(57BDE9)	Hex(6FC4E9)	Hex(86CBE9)	Hex(9DD2E9)	Hex(B4D9E9)	Hex(CCE0E9)	Hex(E3E7E9)	Hex(FAEEEE9)	Hex(FFF5E9)
Hex(40B6E9)		Ratio: 1.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(57BDE9)	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(6FC4E9)	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(86CBE9)	Ratio: 1.29 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(9DD2E9)	Ratio: 1.41 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(B4D9E9)	Ratio: 1.55 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(CCE0E9)	Ratio: 1.70 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(E3E7E9)	Ratio: 1.86 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(FAEEEE9)	Ratio: 2.03 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(FFF5E9)	Ratio: 2.15 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.06 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.