

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(D8DCE9) Hex(E8EDFF) Hex(DCD8E9) Hex(6A6C75) Hex(002BB5) Hex(000D36)**

	Hex(D8DCE9)	Hex(E8EDFF)	Hex(DCD8E9)	Hex(6A6C75)	Hex(002BB5)	Hex(000D36)
Hex(D8DCE9)		<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.82</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 7.62</a> Passed <sup>6</sup>	<a href="#">Ratio: 13.80</a> Passed <sup>6</sup>
Hex(E8EDFF)	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.48</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 8.94</a> Passed <sup>6</sup>	<a href="#">Ratio: 16.19</a> Passed <sup>6</sup>
Hex(DCD8E9)	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.75</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 7.47</a> Passed <sup>6</sup>	<a href="#">Ratio: 13.54</a> Passed <sup>6</sup>
Hex(6A6C75)	<a href="#">Ratio: 3.82</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.48</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.75</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.99</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.61</a> AA 18pt <sup>2</sup>
Hex(002BB5)	<a href="#">Ratio: 7.62</a> Passed <sup>6</sup>	<a href="#">Ratio: 8.94</a> Passed <sup>6</sup>	<a href="#">Ratio: 7.47</a> Passed <sup>6</sup>	<a href="#">Ratio: 1.99</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.81</a> Failed <sup>5</sup>
Hex(000D36)	<a href="#">Ratio: 13.80</a> Passed <sup>6</sup>	<a href="#">Ratio: 16.19</a> Passed <sup>6</sup>	<a href="#">Ratio: 13.54</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.61</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.81</a> Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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