

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3D8800) Hex(4FB000) Hex(008805) Hex(41453E) Hex(3C8500) Hex(020500)**

	Hex(3D8800)	Hex(4FB000)	Hex(008805)	Hex(41453E)	Hex(3C8500)	Hex(020500)
Hex(3D8800)		Ratio: <a href="#">1.60</a> Failed <sup>5</sup>	Ratio: <a href="#">1.04</a> Failed <sup>5</sup>	Ratio: <a href="#">2.20</a> Failed <sup>5</sup>	Ratio: <a href="#">1.04</a> Failed <sup>5</sup>	Ratio: <a href="#">4.61</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(4FB000)	Ratio: <a href="#">1.60</a> Failed <sup>5</sup>		Ratio: <a href="#">1.67</a> Failed <sup>5</sup>	Ratio: <a href="#">3.52</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.66</a> Failed <sup>5</sup>	Ratio: <a href="#">7.36</a> Passed <sup>6</sup>
Hex(008805)	Ratio: <a href="#">1.04</a> Failed <sup>5</sup>	Ratio: <a href="#">1.67</a> Failed <sup>5</sup>		Ratio: <a href="#">2.11</a> Failed <sup>5</sup>	Ratio: <a href="#">1.01</a> Failed <sup>5</sup>	Ratio: <a href="#">4.42</a> AA 18pt <sup>2</sup>
Hex(41453E)	Ratio: <a href="#">2.20</a> Failed <sup>5</sup>	Ratio: <a href="#">3.52</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.11</a> Failed <sup>5</sup>		Ratio: <a href="#">2.12</a> Failed <sup>5</sup>	Ratio: <a href="#">2.09</a> Failed <sup>5</sup>
Hex(3C8500)	Ratio: <a href="#">1.04</a> Failed <sup>5</sup>	Ratio: <a href="#">1.66</a> Failed <sup>5</sup>	Ratio: <a href="#">1.01</a> Failed <sup>5</sup>	Ratio: <a href="#">2.12</a> Failed <sup>5</sup>		Ratio: <a href="#">4.44</a> AA 18pt <sup>2</sup>
Hex(020500)	Ratio: <a href="#">4.61</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">7.36</a> Passed <sup>6</sup>	Ratio: <a href="#">4.42</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.09</a> Failed <sup>5</sup>	Ratio: <a href="#">4.44</a> AA 18pt <sup>2</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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