

Converting Colors

CIELCh(51, 31.824, 188.830)

Have a look what the booklet for
CIELCh(51, 31.824, 188.830)
contains.

CIELCh(51, 31.862, 188.860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 31.862, 188.860)

Conversions

Conversions Part 1

Format	Color
Hex	108881
RGB	16, 136, 129
RGB Percent	6%, 53%, 51%
CMY	0.9382, 0.4671, 0.4945
CMYK	0.88, 0.00, 0.05, 0.47
HSL	177°, 79%, 30%
HSV	177°, 88%, 53%
XYZ	12.9540, 19.2686, 23.7693
YIQ	99.3220, -69.2730, -27.6170

Conversions

Conversions Part 2

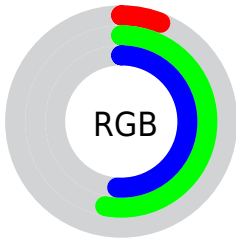
Format	Color
R_{YB}	16, 78, 136
Decimal	1083521
CIE _{Lab}	51.00, -31.48, -4.91
CIE _{LCh}	51, 31.862, 188.860
Yxy	19.2686, 0.2314, 0.3441
Android (android.graphics.Color)	4279273601 (0xFF108881)
YUV	99.3220, 14.6313, -73.0734
Hunter-Lab	43.8960, -24.1414, -1.3778

Details

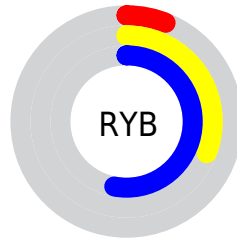
The CIELCh color **51, 31.862, 188.860** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **29, 56.788, 32.621**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 31.930, 189.008**, and **32, 23.585, 188.397** is the 20% darker color. If you saturate the color by 10%, you get **51, 32.802, 188.158**, and if you desaturate by 10%, it is **51, 30.436, 189.534**.

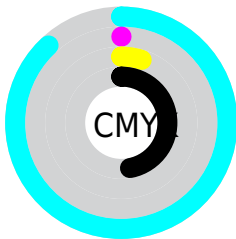
Distribution



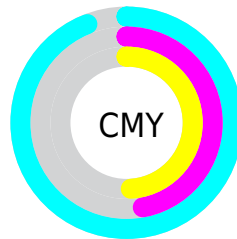
- Red (6%)
- Green (53%)
- Blue (51%)



- Red (6%)
- Yellow (31%)
- Blue (53%)



- Cyan (88%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)





- Cyan (94%)
- Magenta (47%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.862, 188.860 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 31.862, 188.860 by changing the saturation by 10% instead.


 51, 31.862,
188.860


 51, 31.862,
188.860


 100, 31.862,
188.860


 41, 31.862,
188.860


 71, 31.862,
188.860

 31, 31.862,
188.860

 81, 31.862,
188.860

 21, 31.862,
188.860

 91, 31.862,
188.860

 11, 31.862,
188.860

 1, 31.862, 188.860

 0, 31.862, 188.860

■ 51, 31.862,
188.860

■ 51, 31.862,
188.860

■ 51, 32.802,
188.158

■ 51, 30.436,
189.534

■ 51, 32.945,
188.049

■ 52, 28.381,
190.183

■ 52, 25.690,
190.818

■ 52, 22.392,
191.450

■ 53, 18.541,
192.086

■ 54, 14.209,
192.732

■ 55, 9.479, 193.395

■ 56, 4.432, 194.102

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 31.862, 188.860



29, 56.788, 32.621

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 31.862, 188.860



51, 31.862, 238.860



51, 31.862, 8.860



51, 31.862, 58.860

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 31.862, 188.859



69, 16.718, 192.786



49, 71.182, 136.103



36, 11.246, 192.595



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 31.862, 188.859



65, 39.864, 187.877



34, 34.642, 270.186



29, 3.001, 194.044



50, 32.360, 188.067



1, 1.421, 194.585

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29, 56.788, 32.621



36, 76.681, 37.589



37, 48.742, 58.227



27, 3.154, 15.164



27, 61.345, 36.317



0, 1.421, 14.568

Previews

White Background



This preview shows how the CIELCh color 51, 31.862, 188.860 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 31.862, 188.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

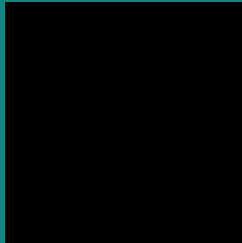
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 31.862, 188.860

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.862, 188.860.




This preview shows how white text looks on a background with the CIELCh color 51, 31.862, 188.860.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
51, 27.668, 209.170

Trichromacy



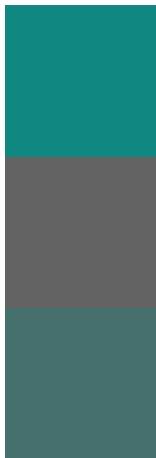
Original Color
51, 31.862, 188.860

Protanomaly
50, 15.499, 191.231

Deuteranomaly
50, 13.811, 218.133

Tritanomaly
51, 28.909, 201.329

Monochromacy



Original Color
51, 31.862, 188.860

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 15.790, 193.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.862, 188.860 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(16, 136, 129)` looks like.

```
.text, #text, p{  
    color:rgb(16, 136, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(16, 136, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 136, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.862, 188.860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(16, 136, 129) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(16, 136, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(16, 136, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 136, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 136, 129);  
box-shadow:4px 4px 4px 4px rgb(16, 136,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.862, 188.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 136, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(16, 136,  
129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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