

Converting Colors

CIELCh(50, 31.627, 190.753)

Have a look what the booklet for
CIELCh(50, 31.627, 190.753)
contains.

CIELCh(50, 31.557, 190.906)	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(50, 31.557, 190.906)

Conversions

Conversions Part 1

Format	Color
Hex	068580
RGB	6, 133, 128
RGB Percent	2%, 52%, 50%
CMY	0.9782, 0.4778, 0.4974
CMYK	0.96, 0.00, 0.04, 0.48
HSL	178°, 92%, 27%
HSV	178°, 96%, 52%
XYZ	12.3863, 18.4187, 23.3800
YIQ	94.4570, -74.0870, -28.4790

Conversions

Conversions Part 2

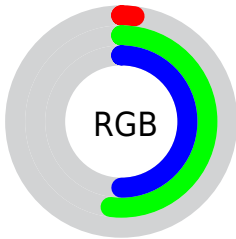
Format	Color
RYB	6, 71, 133
Decimal	427392
CIELab	50.00, -30.99, -5.97
CIELCh	50, 31.557, 190.906
Yxy	18.4187, 0.2286, 0.3399
Android (android.graphics.Color)	4278617472 (0xFF068580)
YUV	94.4570, 16.5367, -77.5768
Hunter-Lab	42.9170, -23.5878, -2.2578

Details

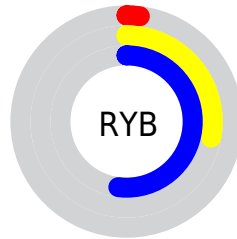
The CIELCh color **50, 31.557, 190.906** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **27, 60.314, 36.240**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 31.547, 190.914**, and **31, 22.985, 189.808** is the 20% darker color. If you saturate the color by 10%, you get **50, 31.900, 190.696**, and if you desaturate by 10%, it is **50, 30.617, 191.413**.

Distribution



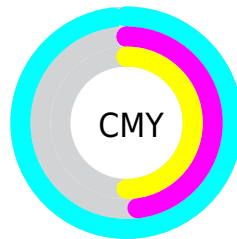
- Red (2%)
- Green (52%)
- Blue (50%)



- Red (2%)
- Yellow (28%)
- Blue (52%)



- Cyan (96%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)





- Cyan (98%)
- Magenta (48%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 31.557, 190.906 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 50, 31.557, 190.906 by changing the saturation by 10% instead.


 50, 31.557,
190.906


 50, 31.557,
190.906


 100, 31.557,
190.906


 40, 31.557,
190.906


 70, 31.557,
190.906

 30, 31.557,
190.906


 80, 31.557,
190.906


 20, 31.557,
190.906

 90, 31.557,
190.906

 10, 31.557,
190.906

 0, 31.557, 190.906

 50, 31.557,
190.906

 50, 31.557,
190.906

■ 50, 31.900,
190.696

■ 50, 30.617,
191.413

■ 50, 29.124,
191.915

■ 51, 27.006,
192.419

■ 51, 24.265,
192.934

■ 52, 20.933,
193.468

■ 52, 17.068,
194.023

■ 53, 12.743,
194.605

■ 54, 8.036, 195.217

■ 55, 3.028, 195.913

Harmonies

Complementary

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



50, 31.557, 190.906



27, 60.314, 36.240

Rectangle

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



50, 31.557, 190.906



50, 31.557, 240.906



50, 31.557, 10.906



50, 31.557, 60.906

Sweetspot

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



50, 31.557, 190.905



67, 17.527, 194.379



48, 72.482, 135.957



35, 11.822, 194.168



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 31.557, 190.905



64, 38.733, 190.572



32, 37.754, 275.533



28, 2.898, 195.662



49, 31.356, 190.709



1, 0.709, 196.160

Inverse Universe

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



27, 60.314, 36.240



36, 76.562, 38.313



35, 51.232, 58.272



26, 3.051, 16.699



26, 60.937, 36.948



0, 0.709, 16.143

Previews

White Background



This preview shows how the CIELCh color 50, 31.557, 190.906 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 50, 31.557, 190.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

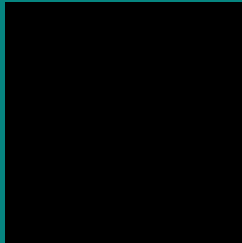
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 31.557, 190.906

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.557, 190.906.

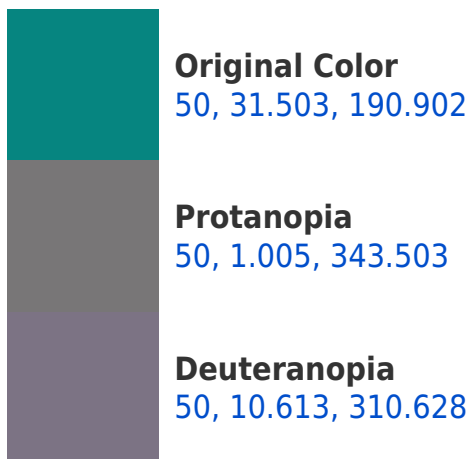


This preview shows how white text looks on a background with the CIELCh color 50, 31.557, 190.906.

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
50, 27.537, 210.545

Trichromacy



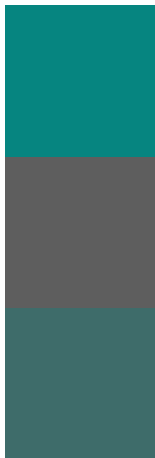
Original Color
50, 31.503, 190.902

Protanomaly
49, 16.627, 193.567

Deuteranomaly
49, 15.102, 218.705

Tritanomaly
50, 28.904, 202.503

Monochromacy



Original Color
50, 31.503, 190.902

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.711, 193.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.557, 190.906 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(6, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(6, 133, 128)  
}
```

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(6, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 133, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.557, 190.906 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(6, 133, 128) }
```

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

```
.border{ border-color:rgb(6, 133, 128) }
```

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

Here you see how a box with a 4 pixel rgb(6, 133, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(6, 133,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.557, 190.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 133, 128) }
```

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

```
.background{ background-color: rgb(6, 133,  
128) }
```

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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