

Converting Colors

CIELCh(51, 47.130, 157.842)

Have a look what the booklet for
CIELCh(51, 47.130, 157.842)
contains.

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Color

CIELCh(51, 46.977, 158.064)

Conversions

Conversions Part 1

Format	Color
Hex	0B8B5A
RGB	11, 139, 90
RGB Percent	4%, 55%, 35%
CMY	0.9571, 0.4550, 0.6471
CMYK	0.92, 0.00, 0.35, 0.45
HSL	157°, 85%, 29%
HSV	157°, 92%, 55%
XYZ	11.2119, 19.2686, 12.7974
YIQ	95.1420, -60.5590, -42.3750

Conversions

Conversions Part 2

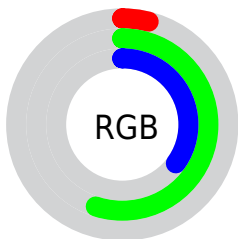
Format	Color
R_{YB}	11, 90, 139
Decimal	756570
CIE _{Lab}	51.00, -43.58, 17.55
CIE _{LCh}	51, 46.977, 158.064
Yxy	19.2686, 0.2591, 0.4452
Android (android.graphics.Color)	4278946650 (0xFF0B8B5A)
YUV	95.1420, -2.5350, -73.7925
Hunter-Lab	43.8960, -31.2255, 13.4418

Details

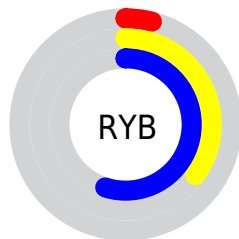
The CIELCh color **51, 46.977, 158.064** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 52.136, 8.543**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 47.394, 157.758**, and **32, 39.467, 151.027** is the 20% darker color. If you saturate the color by 10%, you get **51, 49.259, 156.461**, and if you desaturate by 10%, it is **51, 43.777, 160.076**.

Distribution



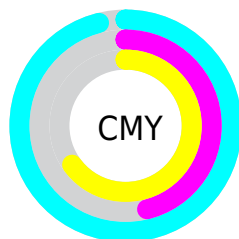
- Red (4%)
- Green (55%)
- Blue (35%)



- Red (4%)
- Yellow (35%)
- Blue (55%)



- Cyan (92%)
- Magenta (0%)
- Yellow (35%)
- Black (45%)





- Cyan (96%)
- Magenta (46%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 46.977, 158.064 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, 46.977, 158.064 by changing the saturation by 10% instead.


 51, 46.977,
158.064


 51, 46.977,
158.064


 100, 46.977,
158.064


 41, 46.977,
158.064


 71, 46.977,
158.064

 31, 46.977,
158.064

 81, 46.977,
158.064

 21, 46.977,
158.064

 91, 46.977,
158.064

 11, 46.977,
158.064

 1, 46.977, 158.064

 0, 46.977, 158.064

■ 51, 46.977,
158.064

■ 51, 46.977,
158.064

■ 51, 49.259,
156.461

■ 51, 43.777,
160.076

■ 52, 39.993,
161.891

■ 52, 35.627,
163.513

■ 53, 30.728,
164.961

■ 53, 25.375,
166.257

■ 54, 19.663,
167.424

■ 55, 13.690,
168.486

■ 56, 7.549, 169.469

Harmonies

Complementary

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



51, 46.977, 158.064



30, 52.136, 8.543

Rectangle

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



51, 46.977, 158.064



51, 46.977, 208.064



51, 46.977, 338.064



51, 46.977, 28.064

Sweetspot

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



51, 46.977, 158.064



70, 21.360, 167.808



51, 68.986, 130.576



36, 14.791, 167.385



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 46.977, 158.064



65, 60.405, 155.923



47, 27.768, 215.633



29, 3.490, 169.755



49, 47.514, 156.571



1, 1.627, 170.500

Inverse Universe

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



30, 52.136, 8.543



38, 65.798, 13.259



30, 59.756, 39.941



27, 3.558, 351.244



27, 52.194, 11.732



0, 1.628, 350.488

Previews

White Background



This preview shows how the CIELCh color 51, 46.977, 158.064 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, 46.977, 158.064 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, 46.977, 158.064

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.977, 158.064.



This preview shows how white text looks on a background with the CIELCh color 51, 46.977, 158.064.

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



Original Color
51, 46.977, 158.064

Protanopia
51, 22.919, 95.903

Deuteranopia
51, 16.608, 66.889



Tritanopia
51, 24.792, 212.316

Trichromacy



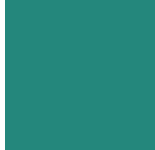
Original Color
51, 46.977, 158.064



Protanomaly
50, 30.122, 141.052



Deuteranomaly
49, 21.977, 142.067



Tritanomaly
51, 30.510, 184.145

Monochromacy



Original Color
51, 46.977, 158.064



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 21.244, 166.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.977, 158.064 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(11, 139, 90)` looks like.

```
.text, #text, p{  
    color:rgb(11, 139, 90)  
}
```

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(11, 139, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 139, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.977, 158.064 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(11, 139, 90) }
```

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

```
.border{ border-color:rgb(11, 139, 90) }
```

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

Here you see how a box with a 4 pixel rgb(11, 139, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 139, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 139, 90);  
box-shadow:4px 4px 4px 4px rgb(11, 139,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.977, 158.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 139, 90) }
```

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

```
.background{ background-color: rgb(11, 139,  
90) }
```

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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