

Converting Colors

CIELCh(47, 51.374, 150.360)

Have a look what the booklet for
CIELCh(47, 51.374, 150.360)
contains.

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Color

CIELCh(47, 51.295, 150.312)

Conversions

Conversions Part 1

Format	Color
Hex	098042
RGB	9, 128, 66
RGB Percent	4%, 50%, 26%
CMY	0.9634, 0.4962, 0.7395
CMYK	0.93, 0.00, 0.48, 0.50
HSL	149°, 86%, 27%
HSV	149°, 93%, 50%
XYZ	8.8930, 16.0195, 7.8430
YIQ	85.3510, -51.0220, -44.5100

Conversions

Conversions Part 2

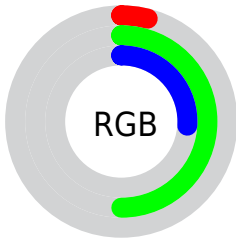
Format	Color
R_{YB}	9, 89, 128
Decimal	622658
CIE _{Lab}	47.00, -44.56, 25.41
CIE _{LCh}	47, 51.295, 150.312
Yxy	16.0195, 0.2715, 0.4891
Android (android.graphics.Color)	4278812738 (0xFF098042)
YUV	85.3510, -9.5400, -66.9598
Hunter-Lab	40.0243, -30.3816, 16.3988

Details

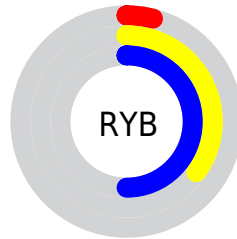
The CIELCh color **47, 51.295, 150.312** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **28, 50.215, 356.437**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 51.342, 150.292**, and **28, 43.724, 141.976** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.844, 148.887**, and if you desaturate by 10%, it is **47, 47.515, 152.328**.

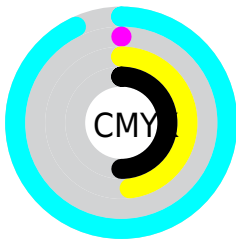
Distribution



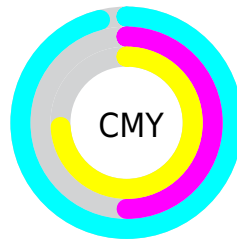
- Red (4%)
- Green (50%)
- Blue (26%)



- Red (4%)
- Yellow (35%)
- Blue (50%)



- Cyan (93%)
- Magenta (0%)
- Yellow (48%)
- Black (50%)





- Cyan (96%)
- Magenta (50%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 51.295, 150.312 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 47, 51.295, 150.312 by changing the saturation by 10% instead.


 47, 51.295,
150.312


 47, 51.295,
150.312


 100, 51.295,
150.312


 37, 51.295,
150.312

 67, 51.295,
150.312


 27, 51.295,
150.312

 77, 51.295,
150.312

 17, 51.295,
150.312

 87, 51.295,
150.312

 7, 51.295, 150.312

 97, 51.295,
150.312

 0, 51.295, 150.312

 47, 51.295,

 47, 51.295,

150.312

■ 47, 53.844,
148.887

150.312

■ 47, 47.515,
152.328

■ 48, 43.158,
154.154

■ 48, 38.247,
155.784

■ 49, 32.844,
157.228

■ 49, 27.038,
158.505

■ 50, 20.930,
159.638

■ 51, 14.621,
160.648

■ 52, 8.204, 161.563

Harmonies

Complementary

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



47, 51.295, 150.312



28, 50.215, 356.437

Rectangle

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



47, 51.295, 150.312



47, 51.295, 200.312



47, 51.295, 330.312



47, 51.295, 20.312

Sweetspot

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



47, 51.295, 150.312



64, 22.108, 160.066



48, 62.259, 125.897



33, 15.342, 159.682



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 51.295, 150.312



60, 65.602, 148.326



48, 30.336, 191.863



26, 3.605, 161.883



47, 53.529, 148.906



0, 0.000, 0.000

Inverse Universe

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



28, 50.215, 356.437



36, 61.686, 359.680



26, 57.352, 35.476



25, 3.644, 343.214



27, 51.081, 358.669



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 51.295, 150.312 looks on a white 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

Black Background



This preview shows how the CIELCh color 47, 51.295, 150.312 looks on a black 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

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

CIELCh 47, 51.295, 150.312

Background



This preview shows how black text looks on a background with the CIELCh color 47, 51.295, 150.312.



This preview shows how white text looks on a background with the CIELCh color 47, 51.295, 150.312.

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

47, 51.240, 150.261

Protanopia

47, 29.938, 96.072

Deuteranopia

47, 23.889, 75.539



Tritanopia
47, 22.584, 212.589

Trichromacy



Original Color
47, 51.240, 150.261



Protanomaly
45, 35.404, 132.112



Deuteranomaly
45, 28.103, 130.484



Tritanomaly
47, 29.917, 177.671

Monochromacy



Original Color
47, 51.240, 150.261



Achromatopsia
37, 0.005, 296.813



Achromatomaly
39, 21.970, 159.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 51.295, 150.312 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(9, 128, 66)` looks like.

```
.text, #text, p{  
    color:rgb(9, 128, 66)  
}
```

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(9, 128, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 128, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 51.295, 150.312 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(9, 128, 66) }
```

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

```
.border{ border-color:rgb(9, 128, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 128, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 128, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 128, 66);  
box-shadow:4px 4px 4px 4px rgb(9, 128, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 51.295, 150.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 128, 66) }
```

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

```
.background{ background-color: rgb(9, 128,  
66) }
```

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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