

Converting Colors

CIELCh(66, 81.241, 128.067)

Have a look what the booklet for
CIELCh(66, 81.241, 128.067)
contains.

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Color

CIELCh(66, 81.378, 128.030)

Conversions

Conversions Part 1

Format	Color
Hex	5FB512
RGB	95, 181, 18
RGB Percent	37%, 71%, 7%
CMY	0.6293, 0.2919, 0.9285
CMYK	0.48, 0.00, 0.90, 0.29
HSL	92°, 82%, 39%
HSV	92°, 90%, 71%
XYZ	21.2179, 35.3238, 6.2813
YIQ	136.7040, 1.0670, -68.9250

Conversions

Conversions Part 2

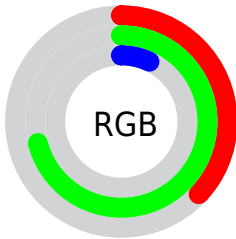
Format	Color
RYB	18, 181, 104
Decimal	6272274
CIELab	66.00, -50.13, 64.10
CIELCh	66, 81.378, 128.030
Yxy	35.3238, 0.3377, 0.5623
Android (android.graphics.Color)	4284462354 (0xFF5FB512)
YUV	136.7040, -58.5211, -36.5744
Hunter-Lab	59.4338, -40.2845, 35.3376

Details

The CIELCh color **66, 81.378, 128.030** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **31, 91.266, 313.138**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 81.859, 127.978**, and **46, 69.512, 133.947** is the 20% darker color. If you saturate the color by 10%, you get **66, 84.941, 128.965**, and if you desaturate by 10%, it is **66, 76.132, 127.470**.

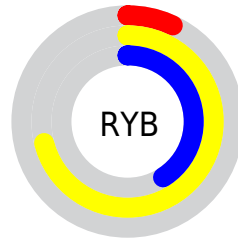
Distribution



Red (37%)

Green (71%)

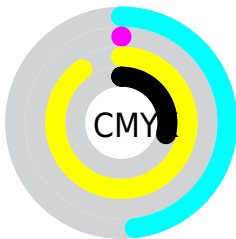
Blue (7%)



Red (7%)

Yellow (71%)

Blue (41%)

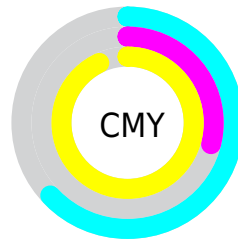


Cyan (48%)

Magenta (0%)

Yellow (90%)

Black (29%)



Cyan (63%)


Magenta (29%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 81.378, 128.030 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 66, 81.378, 128.030 by changing the saturation by 10% instead.


 66, 81.378,
128.030


 66, 81.378,
128.030


 100, 81.378,
128.030


 56, 81.378,
128.030


 86, 81.378,
128.030

 46, 81.378,
128.030

 96, 81.378,
128.030

 36, 81.378,
128.030

 26, 81.378,
128.030

 16, 81.378,
128.030

 6, 81.378, 128.030

 0, 81.378, 128.030

■ 66, 81.378,
128.030

■ 66, 81.378,
128.030

■ 66, 84.941,
128.965

■ 66, 76.132,
127.470

■ 66, 84.972,
128.973

■ 67, 69.111,
127.332

■ 68, 60.737,
127.492

■ 68, 51.434,
127.835

■ 69, 41.539,
128.274

■ 70, 31.293,
128.751

■ 71, 20.865,
129.230

■ 72, 10.371,

129.695

■ 74, 0.106, 308.994

Harmonies

Complementary

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



66, 81.378, 128.030



31, 91.266, 313.138

Rectangle

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



66, 81.378, 128.030



66, 81.378, 178.030



66, 81.378, 308.030



66, 81.378, 358.030

Sweetspot

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



66, 81.378, 128.031



89, 34.975, 128.869



51, 60.762, 64.534



47, 23.524, 128.708



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 81.378, 128.031



83, 103.662, 129.245



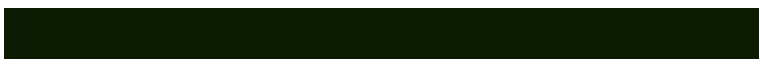
64, 89.362, 136.648



37, 5.872, 129.722



56, 75.036, 128.762



7, 14.594, 133.597

Inverse Universe

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



31, 91.266, 313.138



38, 116.581, 312.428



43, 85.949, 328.764



35, 5.946, 310.496



24, 84.550, 312.765



1, 13.911, 306.228

Previews

White Background



This preview shows how the CIELCh color 66, 81.378, 128.030 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 66, 81.378, 128.030 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 ✓ Pass

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

CIELCh 66, 81.378, 128.030

Background



This preview shows how black text looks on a background with the CIELCh color 66, 81.378, 128.030.

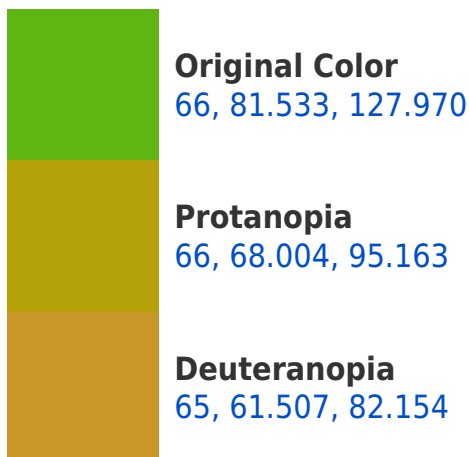


This preview shows how white text looks on a background with the CIELCh color 66, 81.378, 128.030.

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
66, 17.897, 222.084

Trichromacy



Original Color
66, 81.533, 127.970



Protanomaly
65, 69.631, 109.659



Deuteranomaly
65, 63.138, 103.444



Tritanomaly
65, 37.242, 147.707

Monochromacy



Original Color
66, 81.533, 127.970



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 35.105, 128.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 81.378, 128.030 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(95, 181, 18)` looks like.

```
.text, #text, p{  
    color:rgb(95, 181, 18)  
}
```

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(95, 181, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 181, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 81.378, 128.030 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(95, 181, 18) }
```

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

```
.border{ border-color:rgb(95, 181, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 181, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 181, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 181, 18);  
box-shadow:4px 4px 4px 4px rgb(95, 181,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 81.378, 128.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 181, 18) }
```

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

```
.background{ background-color: rgb(95, 181,  
18) }
```

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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