

Converting Colors

CIELCh(68, 76.310, 126.592)

Have a look what the booklet for
CIELCh(68, 76.310, 126.592)
contains.

CIELCh(68, 75.970, 126.549)	3
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Color

CIELCh(68, 75.970, 126.549)

Conversions

Conversions Part 1

Format	Color
Hex	6FB827
RGB	111, 184, 39
RGB Percent	44%, 72%, 15%
CMY	0.5634, 0.2771, 0.8455
CMYK	0.40, 0.00, 0.79, 0.28
HSL	90°, 65%, 44%
HSV	90°, 79%, 72%
XYZ	24.1824, 37.9720, 8.0087
YIQ	145.6430, 3.0370, -60.5710

Conversions

Conversions Part 2

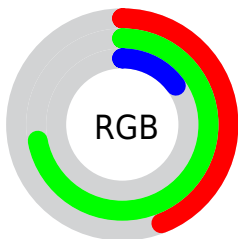
Format	Color
R _Y B	39, 184, 112
Decimal	7321639
CIE Lab	68.00, -45.24, 61.03
CIE LCh	68, 75.970, 126.549
Yxy	37.9720, 0.3447, 0.5412
Android (android.graphics.Color)	4285511719 (0xFF6FB827)
YUV	145.6430, -52.5750, -30.3819
Hunter-Lab	61.6215, -37.7880, 35.4294

Details

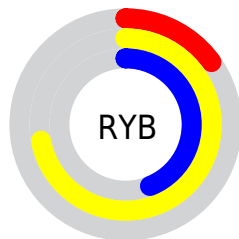
The CIELCh color **68, 75.970, 126.549** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **35, 85.309, 312.660**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 76.332, 126.540**, and **48, 67.739, 130.314** is the 20% darker color. If you saturate the color by 10%, you get **68, 81.466, 127.077**, and if you desaturate by 10%, it is **69, 68.717, 126.437**.

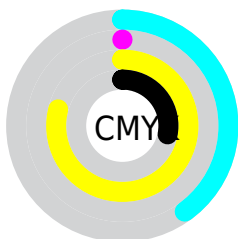
Distribution



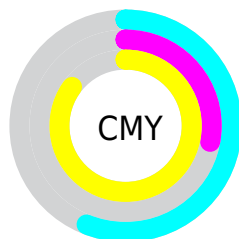
- Red (44%)
- Green (72%)
- Blue (15%)



- Red (15%)
- Yellow (72%)
- Blue (44%)



- Cyan (40%)
- Magenta (0%)
- Yellow (79%)
- Black (28%)




- Cyan (56%)
- Magenta (28%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 75.970, 126.549 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 68, 75.970, 126.549 by changing the saturation by 10% instead.


 68, 75.970,
126.549


 68, 75.970,
126.549


 100, 75.970,
126.549


 58, 75.970,
126.549


 88, 75.970,
126.549

 48, 75.970,
126.549

 98, 75.970,
126.549

 38, 75.970,
126.549

 28, 75.970,
126.549

 18, 75.970,
126.549

 8, 75.970, 126.549

 0, 75.970, 126.549

■ 68, 75.970,
126.549

■ 68, 75.970,
126.549

■ 68, 81.466,
127.077

■ 69, 68.717,
126.437

■ 67, 85.131,
128.032

■ 69, 60.144,
126.612

■ 67, 85.589,
128.160

■ 70, 50.675,
126.962

■ 71, 40.638,
127.404

■ 72, 30.268,
127.883

■ 73, 19.725,
128.364

■ 74, 9.123, 128.832

■ 75, 1.459, 309.175

■ 76, 11.966,
309.640

Harmonies

Complementary

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



68, 75.970, 126.549



35, 85.309, 312.660

Rectangle

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



68, 75.970, 126.549



68, 75.970, 176.549



68, 75.970, 306.549



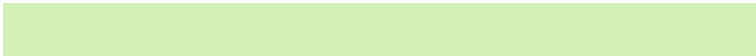
68, 75.970, 356.549

Sweetspot

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



68, 75.970, 126.550



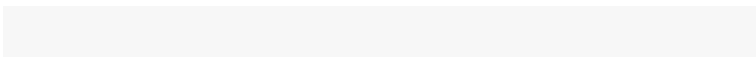
91, 31.444, 128.087



54, 54.934, 65.238



48, 21.571, 127.916



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 75.970, 126.550



85, 102.407, 127.730



66, 85.684, 137.299



38, 5.973, 128.799



57, 75.340, 127.945



8, 16.899, 133.290

Inverse Universe

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



35, 85.309, 312.660



40, 116.635, 312.199



46, 83.651, 327.969



36, 6.053, 309.595



24, 86.073, 312.130



2, 15.963, 305.026

Previews

White Background



This preview shows how the CIELCh color 68, 75.970, 126.549 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 68, 75.970, 126.549 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 68, 75.970, 126.549

Background



This preview shows how black text looks on a background with the CIELCh color 68, 75.970, 126.549.



This preview shows how white text looks on a background with the CIELCh color 68, 75.970, 126.549.

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
68, 75.970, 126.549

Protanopia
68, 64.400, 95.328

Deuteranopia
68, 59.390, 82.012



Tritanopia
68, 15.429, 226.253

Trichromacy



Original Color
68, 75.970, 126.549



Protanomaly
67, 65.932, 108.907



Deuteranomaly
67, 60.209, 101.741

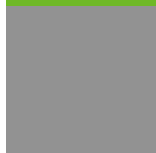


Tritanomaly
67, 31.371, 146.821

Monochromacy



Original Color
68, 75.970, 126.549



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 31.203, 127.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 75.970, 126.549 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(111, 184, 39)` looks like.

```
.text, #text, p{  
    color:rgb(111, 184, 39)  
}
```

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(111, 184, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 184, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 75.970, 126.549 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(111, 184, 39) }
```

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

```
.border{ border-color:rgb(111, 184, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 184, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 184, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 184, 39);  
box-shadow:4px 4px 4px 4px rgb(111, 184,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 75.970, 126.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 184, 39) }
```

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

```
.background{ background-color: rgb(111,  
184, 39) }
```

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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