

Converting Colors

CIELCh(67, 76.145, 127.741)

Have a look what the booklet for
CIELCh(67, 76.145, 127.741)
contains.

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Color

CIELCh(67, 75.953, 127.710)

Conversions

Conversions Part 1

Format	Color
Hex	69B627
RGB	105, 182, 39
RGB Percent	41%, 71%, 15%
CMY	0.5880, 0.2860, 0.8468
CMYK	0.42, 0.00, 0.79, 0.29
HSL	92°, 65%, 43%
HSV	92°, 79%, 71%
XYZ	22.9387, 36.6320, 7.7867
YIQ	142.6750, 0.0110, -60.7970

Conversions

Conversions Part 2

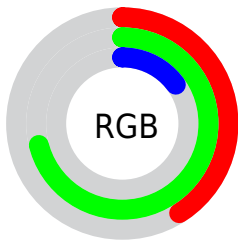
Format	Color
R_{YB}	39, 182, 116
Decimal	6927911
CIE _{Lab}	67.00, -46.46, 60.09
CIE _{LCh}	67, 75.953, 127.710
Yxy	36.6320, 0.3406, 0.5438
Android (android.graphics.Color)	4285117991 (0xFF69B627)
YUV	142.6750, -51.1118, -33.0410
Hunter-Lab	60.5244, -38.2661, 34.7392

Details

The CIELCh color **67, 75.953, 127.710** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **35, 84.126, 313.584**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 76.211, 127.756**, and **47, 67.868, 131.490** is the 20% darker color. If you saturate the color by 10%, you get **67, 81.508, 128.203**, and if you desaturate by 10%, it is **68, 68.656, 127.626**.

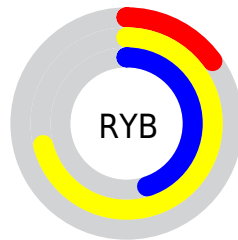
Distribution



Red (41%)

Green (71%)

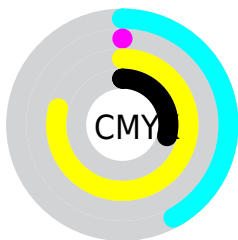
Blue (15%)



Red (15%)

Yellow (71%)

Blue (45%)

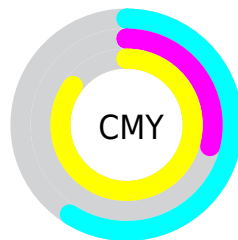


Cyan (42%)

Magenta (0%)

Yellow (79%)

Black (29%)



Cyan (59%)


Magenta (29%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 75.953, 127.710 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 67, 75.953, 127.710 by changing the saturation by 10% instead.


 67, 75.953,
127.710


 67, 75.953,
127.710


 100, 75.953,
127.710


 57, 75.953,
127.710


 87, 75.953,
127.710

 47, 75.953,
127.710

 97, 75.953,
127.710

 37, 75.953,
127.710

 27, 75.953,
127.710

 17, 75.953,
127.710

 7, 75.953, 127.710

 0, 75.953, 127.710

■ 67, 75.953,
127.710

■ 67, 75.953,
127.710

■ 67, 81.508,
128.203

■ 68, 68.656,
127.626

■ 66, 85.236,
129.115

■ 68, 60.054,
127.822

■ 66, 85.730,
129.244

■ 69, 50.566,
128.186

■ 70, 40.519,
128.635

■ 71, 30.144,
129.115

■ 72, 19.605,
129.593

■ 73, 9.015, 130.054

■ 74, 1.547, 310.383

■ 76, 12.022,
310.837

Harmonies

Complementary

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



67, 75.953, 127.710



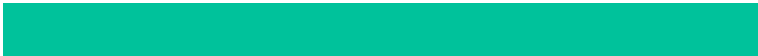
35, 84.126, 313.584

Rectangle

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



67, 75.953, 127.710



67, 75.953, 177.710



67, 75.953, 307.710



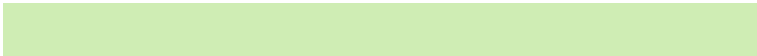
67, 75.953, 357.710

Sweetspot

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



67, 75.953, 127.711



90, 31.451, 129.314



54, 54.273, 68.274



48, 21.766, 129.143



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 75.953, 127.711



84, 102.679, 128.840



65, 83.520, 137.930



38, 6.023, 130.018



57, 76.171, 129.047



8, 17.042, 134.307

Inverse Universe

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



35, 84.126, 313.584



40, 114.892, 313.051



45, 80.916, 329.113



36, 6.098, 310.791



25, 85.437, 312.959



2, 16.059, 306.220

Previews

White Background



This preview shows how the CIELCh color 67, 75.953, 127.710 looks on a white background.

Color Contrast Check

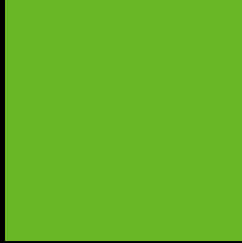
Large Text (above 18pt) WCAG AA × Fail

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 67, 75.953, 127.710 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 67, 75.953, 127.710

Background



This preview shows how black text looks on a background with the CIELCh color 67, 75.953, 127.710.

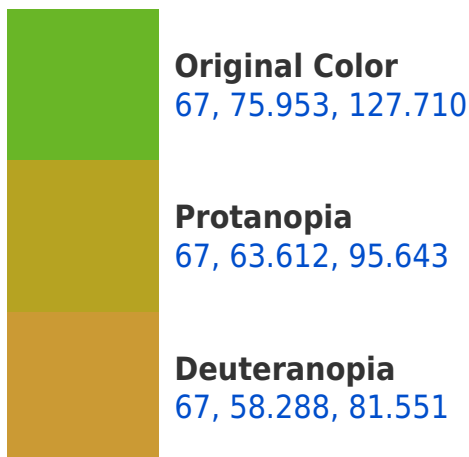


This preview shows how white text looks on a background with the CIELCh color 67, 75.953, 127.710.

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
67, 16.263, 224.713

Trichromacy



Original Color
67, 75.953, 127.710

Protanomaly
66, 65.318, 109.761

Deuteranomaly
66, 59.010, 102.608

Tritanomaly
66, 31.936, 149.182

Monochromacy



Original Color
67, 75.953, 127.710

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 30.958, 128.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 75.953, 127.710 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(105, 182, 39)` looks like.

```
.text, #text, p{  
    color:rgb(105, 182, 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(105, 182, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 182, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 75.953, 127.710 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(105, 182, 39) }
```

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

```
.border{ border-color:rgb(105, 182, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 182, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 182, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 182, 39);  
box-shadow:4px 4px 4px 4px rgb(105, 182,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 75.953, 127.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 182, 39) }
```

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

```
.background{ background-color: rgb(105,  
182, 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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