

Converting Colors

CIELCh(66, 67.043, 125.767)

Have a look what the booklet for
CIELCh(66, 67.043, 125.767)
contains.

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Color

CIELCh(66, 67.233, 125.737)

Conversions

Conversions Part 1

Format	Color
Hex	75B135
RGB	117, 177, 53
RGB Percent	46%, 69%, 21%
CMY	0.5425, 0.3072, 0.7935
CMYK	0.34, 0.00, 0.70, 0.31
HSL	89°, 54%, 45%
HSV	89°, 70%, 69%
XYZ	23.5811, 35.3238, 8.9026
YIQ	144.9240, 4.0440, -51.2840

Conversions

Conversions Part 2

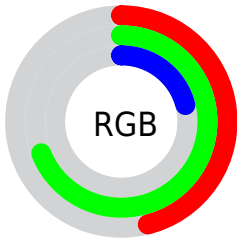
Format	Color
RYB	53, 177, 113
Decimal	7713077
CIELab	66.00, -39.27, 54.57
CIELCh	66, 67.233, 125.737
Yxy	35.3238, 0.3478, 0.5209
Android (android.graphics.Color)	4285903157 (0xFF75B135)
YUV	144.9240, -45.3185, -24.4893
Hunter-Lab	59.4338, -33.1873, 32.7226

Details

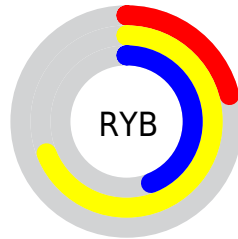
The CIELCh color $66, 67.233, 125.737$ is a dark color, and the websafe version is hex 669900 . A complement of this color would be $36, 75.089, 311.982$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 67.060, 125.744$, and $46, 63.615, 127.480$ is the 20% darker color. If you saturate the color by 10%, you get $65, 73.983, 125.908$, and if you desaturate by 10%, it is $67, 59.156, 125.874$.

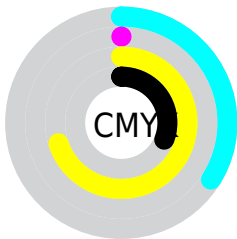
Distribution



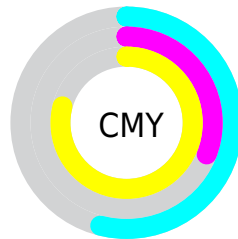
- Red (46%)
- Green (69%)
- Blue (21%)



- Red (21%)
- Yellow (69%)
- Blue (44%)



- Cyan (34%)
- Magenta (0%)
- Yellow (70%)
- Black (31%)





- Cyan (54%)
- Magenta (31%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 67.233, 125.737 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, 67.233, 125.737 by changing the saturation by 10% instead.


 66, 67.233,
125.737


 66, 67.233,
125.737


 100, 67.233,
125.737

 56, 67.233,
125.737


 86, 67.233,
125.737

 46, 67.233,
125.737

 96, 67.233,
125.737

 36, 67.233,
125.737

 26, 67.233,
125.737

 16, 67.233,
125.737

 6, 67.233, 125.737

 0, 67.233, 125.737

■ 66, 67.233,
125.737

■ 66, 67.233,
125.737

■ 65, 73.983,
125.908

■ 67, 59.156,
125.874

■ 65, 78.997,
126.505

■ 67, 50.167,
126.200

■ 65, 82.363,
127.448

■ 68, 40.592,
126.630

■ 69, 30.667,
127.105

■ 70, 20.555,
127.590

■ 71, 10.368,
128.064

■ 72, 0.185, 129.053

■ 73, 9.939, 308.896

■ 74, 19.962,
309.276

Harmonies

Complementary

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



66, 67.233, 125.737



36, 75.089, 311.982

Rectangle

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



66, 67.233, 125.737



66, 67.233, 175.737



66, 67.233, 305.737



66, 67.233, 355.737

Sweetspot

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



66, 67.234, 125.738



88, 26.444, 127.533



53, 47.119, 65.011



46, 17.873, 127.403



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 67.234, 125.738



83, 93.464, 126.162



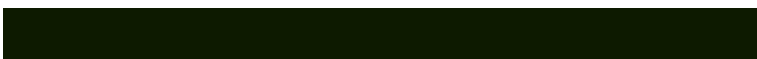
64, 76.729, 137.944



37, 5.809, 128.104



57, 73.947, 127.260



7, 14.445, 132.241

Inverse Universe

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



36, 75.089, 311.982



41, 106.646, 312.130



45, 75.555, 327.214



35, 5.890, 308.912



23, 85.380, 311.703



1, 13.805, 304.711

Previews

White Background



This preview shows how the CIELCh color 66, 67.233, 125.737 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, 67.233, 125.737 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, 67.233, 125.737

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.233, 125.737.



This preview shows how white text looks on a background with the CIELCh color 66, 67.233, 125.737.

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
66, 67.233, 125.737

Protanopia
66, 57.810, 95.393

Deuteranopia
66, 53.076, 80.888



Tritanopia
66, 12.769, 233.207

Trichromacy



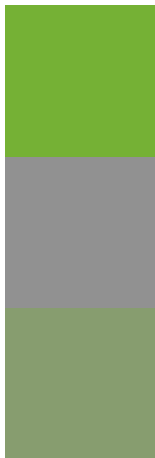
Original Color
66, 67.233, 125.737

Protanomaly
65, 58.839, 108.360

Deuteranomaly
65, 53.153, 100.578

Tritanomaly
65, 25.956, 145.564

Monochromacy



Original Color
66, 67.233, 125.737

Achromatopsia
60, 0.008, 296.813

Achromatomaly
62, 27.005, 126.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.233, 125.737 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(117, 177, 53)` looks like.

```
.text, #text, p{  
    color:rgb(117, 177, 53)  
}
```

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(117, 177, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 177, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.233, 125.737 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(117, 177, 53) }
```

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

```
.border{ border-color:rgb(117, 177, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 177, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 177, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 177, 53);  
box-shadow:4px 4px 4px 4px rgb(117, 177,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.233, 125.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 177, 53) }
```

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

```
.background{ background-color: rgb(117,  
177, 53) }
```

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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