

Converting Colors

CIELCh(67, 85.297, 127.484)

Have a look what the booklet for
CIELCh(67, 85.297, 127.484)
contains.

CIELCh(67, 85.070, 127.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 85.070, 127.675)

Conversions

Conversions Part 1

Format	Color
Hex	5EB800
RGB	94, 184, 0
RGB Percent	37%, 72%, 0%
CMY	0.6316, 0.2787, 1.0000
CMYK	0.49, 0.00, 1.00, 0.28
HSL	89°, 100%, 36%
HSV	89°, 100%, 72%
XYZ	21.7367, 36.6320, 5.9209
YIQ	136.1140, 5.4240, -76.3040

Conversions

Conversions Part 2

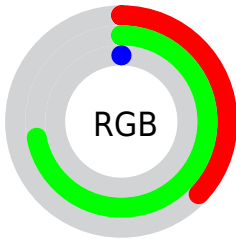
Format	Color
RYB	0, 184, 90
Decimal	6207488
CIELab	67.00, -51.99, 67.33
CIELCh	67, 85.070, 127.675
Yxy	36.6320, 0.3381, 0.5698
Android (android.graphics.Color)	4284397568 (0xFF5EB800)
YUV	136.1140, -67.1042, -36.9340
Hunter-Lab	60.5244, -41.8112, 36.5669

Details

The CIELCh color **67, 85.070, 127.675** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **28, 97.855, 311.661**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 85.050, 127.669**, and **47, 71.159, 134.460** is the 20% darker color. If you saturate the color by 10%, you get **67, 85.056, 127.681**, and if you desaturate by 10%, it is **67, 81.567, 126.699**.

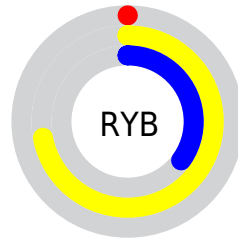
Distribution



Red (37%)

Green (72%)

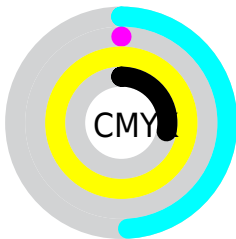
Blue (0%)



Red (0%)

Yellow (72%)

Blue (35%)

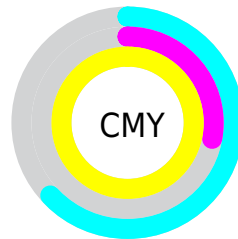


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (63%)


Magenta (28%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 85.070, 127.675 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, 85.070, 127.675 by changing the saturation by 10% instead.

 67, 85.070,
127.675

 67, 85.070,
127.675


 100, 85.070,
127.675


 57, 85.070,
127.675


 87, 85.070,
127.675

 47, 85.070,
127.675

 97, 85.070,
127.675

 37, 85.070,
127.675

 27, 85.070,
127.675

 17, 85.070,
127.675

 7, 85.070, 127.675

 0, 85.070, 127.675

■ 67, 85.070,
127.675

■ 67, 85.070,
127.675

■ 67, 85.056,
127.681

■ 67, 81.567,
126.699

■ 68, 76.382,
126.100

■ 68, 69.396,
125.930

■ 69, 61.033,
126.068

■ 70, 51.724,
126.397

■ 71, 41.811,
126.829

■ 72, 31.536,
127.305

■ 73, 21.069,

127.790

■ 74, 10.527,
128.263

Harmonies

Complementary

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



67, 85.070, 127.675



28, 97.855, 311.661

Rectangle

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



67, 85.070, 127.675



67, 85.070, 177.675



67, 85.070, 307.675



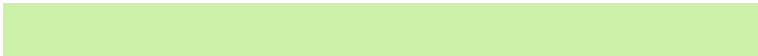
67, 85.070, 357.675

Sweetspot

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



67, 85.056, 127.681



91, 39.098, 127.281



49, 67.166, 59.253



48, 26.606, 127.079



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, 85.056, 127.681



85, 104.010, 127.957



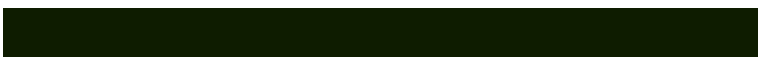
65, 93.628, 135.947



38, 5.954, 128.294



57, 74.995, 127.468



8, 16.840, 132.853

Inverse Universe

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



28, 97.855, 311.661



38, 119.563, 311.472



43, 90.487, 327.575



36, 6.036, 309.101



23, 86.335, 311.807



2, 15.927, 304.550

Previews

White Background



This preview shows how the CIELCh color 67, 85.070, 127.675 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, 85.070, 127.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

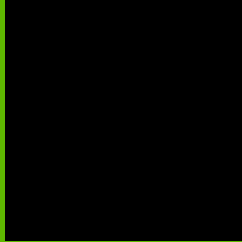
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 85.070, 127.675

Background



This preview shows how black text looks on a background with the CIELCh color 67, 85.070, 127.675.



This preview shows how white text looks on a background with the CIELCh color 67, 85.070, 127.675.

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
67, 85.070, 127.675

Protanopia
67, 69.988, 95.297

Deuteranopia
67, 63.690, 82.389



Tritanopia
67, 18.828, 222.575

Trichromacy



Original Color
67, 85.070, 127.675

Protanomaly
66, 72.514, 109.929

Deuteranomaly
66, 66.229, 103.614

Tritanomaly
66, 40.828, 145.396

Monochromacy



Original Color
67, 85.070, 127.675

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 38.674, 126.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 85.070, 127.675 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(94, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 184, 0)  
}
```

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(94, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 184, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 85.070, 127.675 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(94, 184, 0) }
```

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

```
.border{ border-color:rgb(94, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 184, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 67, 85.070, 127.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 184, 0) }
```

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

```
.background{ background-color: rgb(94, 184,  
0) }
```

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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