

Converting Colors

CIELCh(67, 90.052, 134.611)

Have a look what the booklet for
CIELCh(67, 90.052, 134.611)
contains.

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Color

CIELCh(67, 90.121, 134.600)

Conversions

Conversions Part 1

Format	Color
Hex	33BC14
RGB	51, 188, 20
RGB Percent	20%, 74%, 8%
CMY	0.8011, 0.2635, 0.9228
CMYK	0.73, 0.00, 0.90, 0.26
HSL	109°, 81%, 41%
HSV	109°, 90%, 74%
XYZ	19.4176, 36.6320, 6.6939
YIQ	127.8850, -27.7240, -81.2920

Conversions

Conversions Part 2

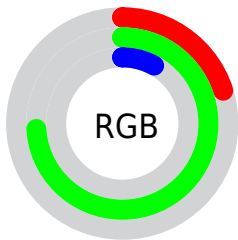
Format	Color
RYB	20, 188, 157
Decimal	3390484
CIELab	67.00, -63.28, 64.17
CIELCh	67, 90.121, 134.600
Yxy	36.6320, 0.3095, 0.5838
Android (android.graphics.Color)	4281580564 (0xFF33BC14)
YUV	127.8850, -53.1873, -67.4281
Hunter-Lab	60.5244, -48.6508, 35.8097

Details

The CIELCh color **67, 90.121, 134.600** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **40, 90.392, 321.645**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 89.945, 134.612**, and **48, 73.868, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 93.536, 134.833**, and if you desaturate by 10%, it is **67, 84.597, 134.664**.

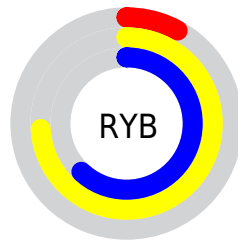
Distribution



Red (20%)

Green (74%)

Blue (8%)



Red (8%)

Yellow (74%)

Blue (62%)

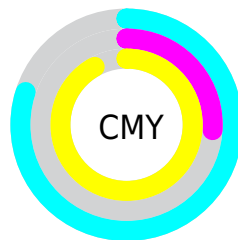


Cyan (73%)

Magenta (0%)

Yellow (90%)

Black (26%)



Cyan (80%)


Magenta (26%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 90.121, 134.600 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, 90.121, 134.600 by changing the saturation by 10% instead.

 67, 90.121,
134.600


 67, 90.121,
134.600


 100, 90.121,
134.600

 57, 90.121,
134.600

 87, 90.121,
134.600

 47, 90.121,
134.600

 97, 90.121,
134.600

 37, 90.121,
134.600

 27, 90.121,
134.600

 17, 90.121,
134.600

 7, 90.121, 134.600

 0, 90.121, 134.600

■ 67, 90.121,
134.600

■ 67, 90.121,
134.600

■ 67, 93.536,
134.833

■ 67, 84.597,
134.664

■ 67, 93.678,
134.839

■ 68, 76.976,
135.058

■ 69, 67.733,
135.656

■ 70, 57.351,
136.344

■ 71, 46.232,
137.042

■ 72, 34.680,
137.703

■ 73, 22.925,
138.305

■ 75, 11.135,

138.846

■ 76, 0.568, 318.934

Harmonies

Complementary

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



67, 90.121, 134.600



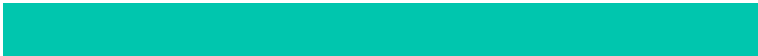
40, 90.392, 321.645

Rectangle

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



67, 90.121, 134.600



67, 90.121, 184.600



67, 90.121, 314.600



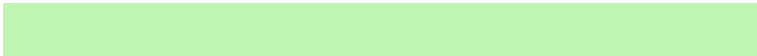
67, 90.121, 4.600

Sweetspot

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



67, 90.121, 134.601



91, 39.350, 137.833



65, 65.599, 89.398



48, 26.490, 137.618



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 90.121, 134.601



85, 114.511, 134.980



67, 79.021, 143.097



39, 6.654, 138.854



57, 82.345, 134.721



9, 20.727, 140.778

Inverse Universe

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



40, 90.392, 321.645



50, 113.984, 321.134



43, 72.440, 343.007



37, 6.688, 319.666



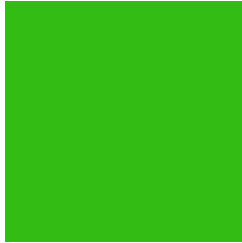
32, 82.184, 321.326



3, 19.695, 317.398

Previews

White Background



This preview shows how the CIELCh color 67, 90.121, 134.600 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, 90.121, 134.600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

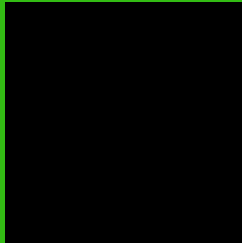
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 90.121, 134.600

Background



This preview shows how black text looks on a background with the CIELCh color 67, 90.121, 134.600.

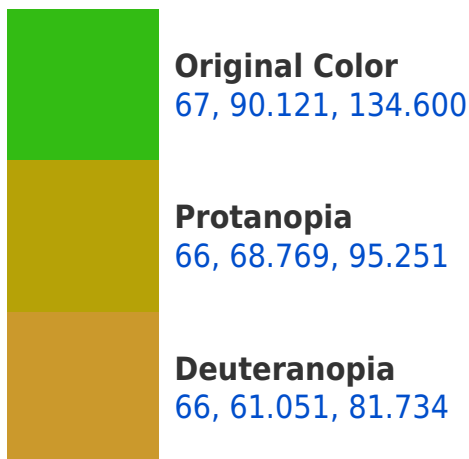


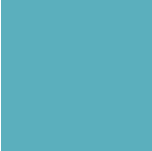
This preview shows how white text looks on a background with the CIELCh color 67, 90.121, 134.600.

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, 26.269, 214.796

Trichromacy



Original Color
67, 90.121, 134.600



Protanomaly
65, 72.524, 115.911



Deuteranomaly
65, 64.291, 110.680



Tritanomaly
66, 46.293, 156.836

Monochromacy



Original Color
67, 90.121, 134.600



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 39.645, 137.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 90.121, 134.600 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(51, 188, 20)` looks like.

```
.text, #text, p{  
    color:rgb(51, 188, 20)  
}
```

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(51, 188, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 188, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 90.121, 134.600 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(51, 188, 20) }
```

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

```
.border{ border-color:rgb(51, 188, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 188, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 188, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 188, 20);  
box-shadow:4px 4px 4px 4px rgb(51, 188,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 90.121, 134.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 188, 20) }
```

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

```
.background{ background-color: rgb(51, 188,  
20) }
```

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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