

Converting Colors

CIELCh(68, 90.545, 131.804)

Have a look what the booklet for
CIELCh(68, 90.545, 131.804)
contains.

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Color

CIELCh(68, 90.768, 131.842)

Conversions

Conversions Part 1

Format	Color
Hex	46BE01
RGB	70, 190, 1
RGB Percent	27%, 75%, 0%
CMY	0.7271, 0.2562, 0.9954
CMYK	0.63, 0.00, 0.99, 0.26
HSL	98°, 99%, 37%
HSV	98°, 99%, 74%
XYZ	20.8437, 37.9720, 6.2637
YIQ	132.5740, -10.8510, -84.2190

Conversions

Conversions Part 2

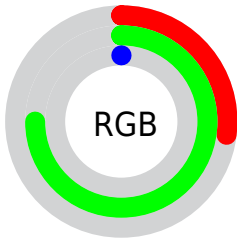
Format	Color
R_{YB}	1, 190, 121
Decimal	4636161
CIE Lab	68.00, -60.55, 67.62
CIE LCh	68, 90.768, 131.842
Yxy	37.9720, 0.3203, 0.5835
Android (android.graphics.Color)	4282826241 (0xFF46BE01)
YUV	132.5740, -64.8660, -54.8774
Hunter-Lab	61.6215, -47.4592, 37.1083

Details

The CIELCh color **68, 90.768, 131.842** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **34, 96.826, 315.470**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 90.723, 131.820**, and **49, 74.671, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 90.978, 131.886**, and if you desaturate by 10%, it is **68, 87.006, 131.068**.

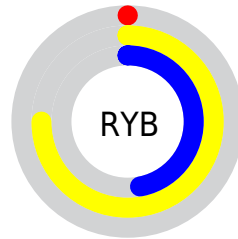
Distribution



Red (27%)

Green (75%)

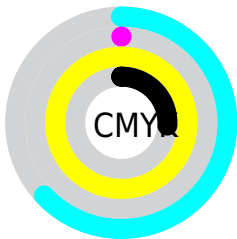
Blue (0%)



Red (0%)

Yellow (75%)

Blue (47%)

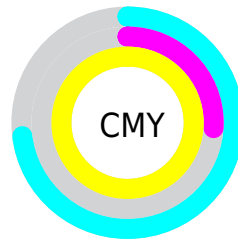


Cyan (63%)

Magenta (0%)

Yellow (99%)

Black (26%)



Cyan (73%)


Magenta (26%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 90.768, 131.842 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, 90.768, 131.842 by changing the saturation by 10% instead.

 68, 90.768,
131.842


 68, 90.768,
131.842


 100, 90.768,
131.842


 58, 90.768,
131.842


 88, 90.768,
131.842

 48, 90.768,
131.842

 98, 90.768,
131.842

 38, 90.768,
131.842

 28, 90.768,
131.842

 18, 90.768,
131.842

 8, 90.768, 131.842

 0, 90.768, 131.842

■ 68, 90.768,
131.842

■ 68, 90.768,
131.842

■ 68, 90.978,
131.886

■ 68, 87.006,
131.068

■ 69, 81.322,
130.667

■ 70, 73.731,
130.664

■ 70, 64.691,
130.934

■ 71, 54.659,
131.361

■ 72, 43.996,
131.857

■ 73, 32.967,
132.368

■ 74, 21.760,

132.864

■ 76, 10.507,
133.330

Harmonies

Complementary

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



68, 90.768, 131.842



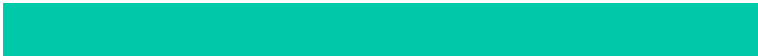
34, 96.826, 315.470

Rectangle

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



68, 90.768, 131.842



68, 90.768, 181.842



68, 90.768, 311.842



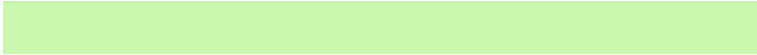
68, 90.768, 1.842

Sweetspot

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



68, 90.768, 131.843



93, 41.748, 132.312



57, 65.860, 72.586



49, 28.671, 132.094



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 90.768, 131.843



86, 111.362, 132.118



67, 92.652, 137.391



39, 6.319, 133.331



57, 79.328, 131.688



9, 19.858, 136.916

Inverse Universe

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



34, 96.826, 315.470



44, 118.612, 315.264



44, 83.251, 334.338



37, 6.380, 314.078



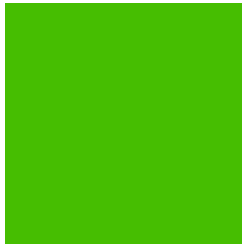
27, 84.730, 315.579



2, 18.596, 310.029

Previews

White Background



This preview shows how the CIELCh color 68, 90.768, 131.842 looks on a white background.

Color Contrast Check

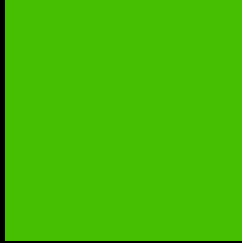
Large Text (above 18pt) WCAG AA × Fail

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, 90.768, 131.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

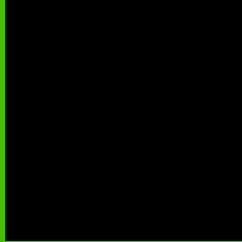
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 90.768, 131.842

Background



This preview shows how black text looks on a background with the CIELCh color 68, 90.768, 131.842.



This preview shows how white text looks on a background with the CIELCh color 68, 90.768, 131.842.

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, 90.866, 131.802

Protanopia

68, 70.673, 95.011

Deuteranopia

67, 63.625, 82.077



Tritanopia
68, 23.897, 218.159

Trichromacy



Original Color
68, 90.866, 131.802



Protanomaly
67, 74.199, 113.128



Deuteranomaly
66, 67.017, 107.481



Tritanomaly
67, 45.951, 151.394

Monochromacy



Original Color
68, 90.866, 131.802



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 42.128, 131.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 90.768, 131.842 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(70, 190, 1)` looks like.

```
.text, #text, p{  
    color:rgb(70, 190, 1)  
}
```

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(70, 190, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 190, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 90.768, 131.842 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(70, 190, 1) }
```

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

```
.border{ border-color:rgb(70, 190, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 190, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 190, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 190, 1);  
box-shadow:4px 4px 4px 4px rgb(70, 190, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 68, 90.768, 131.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 190, 1) }
```

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

```
.background{ background-color: rgb(70, 190,  
1) }
```

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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