

Converting Colors

CIELCh(68, 90.029, 132.566)

Have a look what the booklet for
CIELCh(68, 90.029, 132.566)
contains.

CIELCh(68, 90.165, 132.594)	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(68, 90.165, 132.594)

Conversions

Conversions Part 1

Format	Color
Hex	43BE0C
RGB	67, 190, 12
RGB Percent	26%, 75%, 5%
CMY	0.7380, 0.2555, 0.9544
CMYK	0.65, 0.00, 0.94, 0.26
HSL	101°, 88%, 40%
HSV	101°, 94%, 74%
XYZ	20.7455, 37.9720, 6.5715
YIQ	132.9310, -16.1700, -81.4340

Conversions

Conversions Part 2

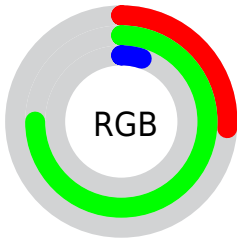
Format	Color
RYB	12, 190, 135
Decimal	4439564
CIELab	68.00, -61.02, 66.38
CIELCh	68, 90.165, 132.594
Yxy	37.9720, 0.3177, 0.5816
Android (android.graphics.Color)	4282629644 (0xFF43BE0C)
YUV	132.9310, -59.6190, -57.8215
Hunter-Lab	61.6215, -47.7436, 36.8121

Details

The CIELCh color **68, 90.165, 132.594** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **36, 94.142, 317.403**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 90.057, 132.498**, and **49, 74.671, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 92.252, 132.997**, and if you desaturate by 10%, it is **68, 85.432, 132.110**.

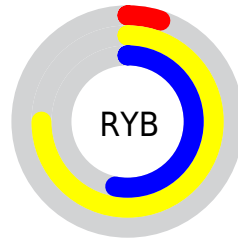
Distribution



Red (26%)

Green (75%)

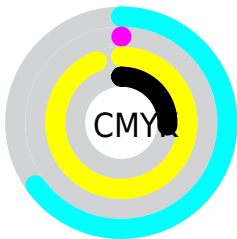
Blue (5%)



Red (5%)

Yellow (75%)

Blue (53%)

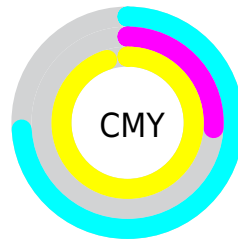


Cyan (65%)

Magenta (0%)

Yellow (94%)

Black (26%)



Cyan (74%)


Magenta (26%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 90.165, 132.594 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, 90.165, 132.594 by changing the saturation by 10% instead.


 68, 90.165,
132.594


 68, 90.165,
132.594


 100, 90.165,
132.594


 58, 90.165,
132.594


 88, 90.165,
132.594

 48, 90.165,
132.594

 98, 90.165,
132.594

 38, 90.165,
132.594

 28, 90.165,
132.594

 18, 90.165,
132.594

 8, 90.165, 132.594

 0, 90.165, 132.594

■ 68, 90.165,
132.594

■ 68, 90.165,
132.594

■ 68, 92.252,
132.997

■ 68, 85.432,
132.110

■ 69, 78.588,
132.046

■ 70, 70.033,
132.296

■ 70, 60.252,
132.734

■ 71, 49.663,
133.261

■ 72, 38.583,
133.809

■ 74, 27.242,
134.340

■ 75, 15.804,

134.837

■ 76, 4.388, 135.310

Harmonies

Complementary

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



68, 90.165, 132.594



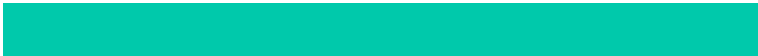
36, 94.142, 317.403

Rectangle

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



68, 90.165, 132.594



68, 90.165, 182.594



68, 90.165, 312.594



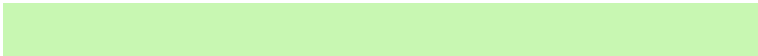
68, 90.165, 2.594

Sweetspot

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



68, 90.165, 132.595



93, 39.598, 134.100



60, 64.605, 78.549



49, 27.530, 133.865



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, 90.165, 132.595



86, 112.825, 133.204



67, 88.373, 139.035



39, 6.413, 135.049



57, 80.391, 132.816



9, 20.115, 138.125

Inverse Universe

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



36, 94.142, 317.403



46, 117.350, 316.888



44, 79.690, 336.596



37, 6.466, 315.800



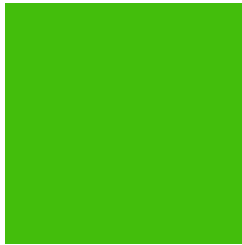
29, 83.867, 317.177



2, 18.869, 312.156

Previews

White Background



This preview shows how the CIE LCh color 68, 90.165, 132.594 looks on a white background.

Color Contrast Check

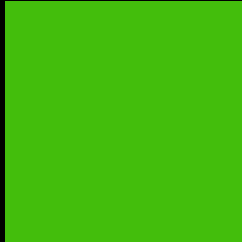
Large Text (above 18pt) WCAG AA × Fail

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, 90.165, 132.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

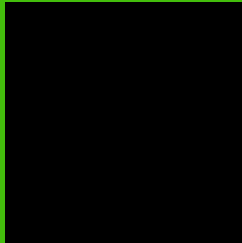
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 90.165, 132.594

Background



This preview shows how black text looks on a background with the CIELCh color 68, 90.165, 132.594.

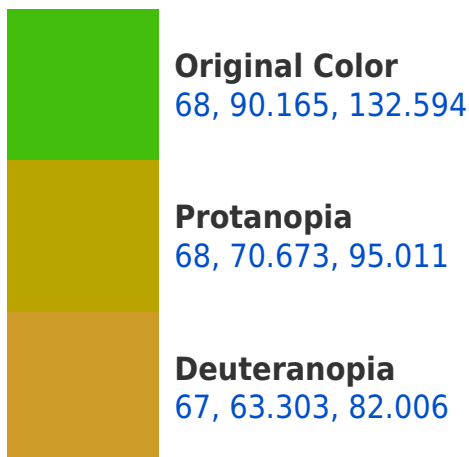


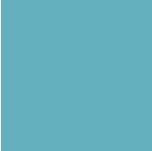
This preview shows how white text looks on a background with the CIELCh color 68, 90.165, 132.594.

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
68, 24.358, 217.724

Trichromacy



Original Color
68, 90.165, 132.594



Protanomaly
67, 73.810, 113.560



Deuteranomaly
66, 66.073, 108.021



Tritanomaly
67, 44.729, 153.678

Monochromacy



Original Color
68, 90.165, 132.594



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 40.385, 133.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 90.165, 132.594 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(67, 190, 12)` looks like.

```
.text, #text, p{  
    color:rgb(67, 190, 12)  
}
```

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(67, 190, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 190, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 90.165, 132.594 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(67, 190, 12) }
```

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

```
.border{ border-color:rgb(67, 190, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 190, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 190, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 190, 12);  
box-shadow:4px 4px 4px 4px rgb(67, 190,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 90.165, 132.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 190, 12) }
```

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

```
.background{ background-color: rgb(67, 190,  
12) }
```

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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