

Converting Colors

CIELCh(68, 89.789, 133.825)

Have a look what the booklet for
CIELCh(68, 89.789, 133.825)
contains.

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Color

CIELCh(68, 89.711, 133.746)

Conversions

Conversions Part 1

Format	Color
Hex	3DBE15
RGB	61, 190, 21
RGB Percent	24%, 75%, 8%
CMY	0.7597, 0.2541, 0.9162
CMYK	0.68, 0.00, 0.89, 0.25
HSL	106°, 80%, 41%
HSV	106°, 89%, 75%
XYZ	20.5378, 37.9720, 6.9735
YIQ	132.1630, -22.6350, -79.9070

Conversions

Conversions Part 2

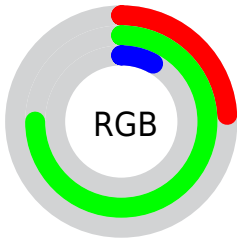
Format	Color
R_{YB}	21, 190, 150
Decimal	4046357
CIE _{Lab}	68.00, -62.03, 64.81
CIE _{LCh}	68, 89.711, 133.746
Yxy	37.9720, 0.3136, 0.5799
Android (android.graphics.Color)	4282236437 (0xFF3DBE15)
YUV	132.1630, -54.8034, -62.4100
Hunter-Lab	61.6215, -48.3454, 36.4253

Details

The CIELCh color **68, 89.711, 133.746** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **39, 91.442, 319.960**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 89.502, 133.774**, and **49, 74.671, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 93.396, 134.162**, and if you desaturate by 10%, it is **68, 83.894, 133.678**.

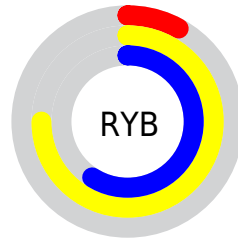
Distribution



Red (24%)

Green (75%)

Blue (8%)



Red (8%)

Yellow (75%)

Blue (59%)

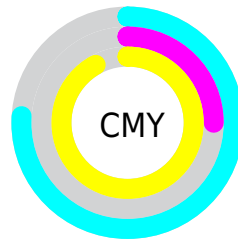


Cyan (68%)

Magenta (0%)

Yellow (89%)

Black (25%)



Cyan (76%)

Magenta (25%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 89.711, 133.746 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, 89.711, 133.746 by changing the saturation by 10% instead.

 68, 89.711,
133.746

 68, 89.711,
133.746

 100, 89.711,
133.746

 58, 89.711,
133.746

 88, 89.711,
133.746


 48, 89.711,
133.746


 98, 89.711,
133.746

 38, 89.711,
133.746

 28, 89.711,
133.746

 18, 89.711,
133.746

 8, 89.711, 133.746

 0, 89.711, 133.746

■ 68, 89.711,
133.746

■ 68, 89.711,
133.746

■ 68, 93.396,
134.162

■ 68, 83.894,
133.678

■ 68, 93.787,
134.202

■ 69, 76.056,
133.953

■ 70, 66.678,
134.448

■ 71, 56.237,
135.048

■ 72, 45.117,
135.674

■ 73, 33.606,
136.278

■ 74, 21.915,
136.836

■ 76, 10.198,

137.344

■ 77, 1.434, 317.630

Harmonies

Complementary

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



68, 89.711, 133.746



39, 91.442, 319.960

Rectangle

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



68, 89.711, 133.746



68, 89.711, 183.746



68, 89.711, 313.746



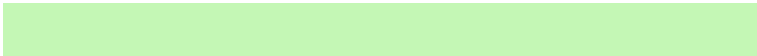
68, 89.711, 3.746

Sweetspot

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



68, 89.711, 133.747



93, 39.047, 136.355



64, 64.476, 85.414



49, 26.510, 136.153



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, 89.711, 133.747



86, 114.496, 134.371



68, 82.306, 141.646



39, 6.551, 137.316



57, 81.635, 134.051



9, 20.470, 139.701

Inverse Universe

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



39, 91.442, 319.960



49, 115.809, 319.304



44, 75.420, 339.819



37, 6.593, 318.094



31, 82.815, 319.544



3, 19.319, 315.191

Previews

White Background



This preview shows how the CIELCh color 68, 89.711, 133.746 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, 89.711, 133.746 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, 89.711, 133.746

Background



This preview shows how black text looks on a background with the CIELCh color 68, 89.711, 133.746.

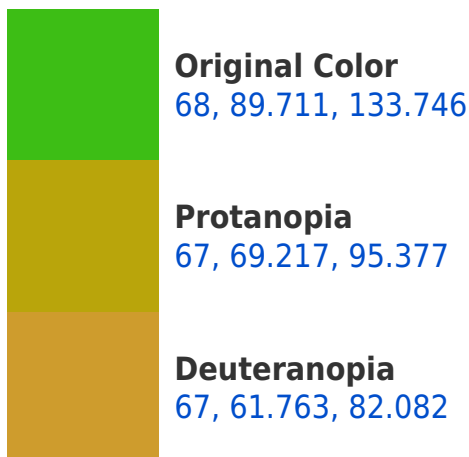


This preview shows how white text looks on a background with the CIELCh color 68, 89.711, 133.746.

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, 25.191, 215.606

Trichromacy



Original Color
68, 89.711, 133.746



Protanomaly
66, 72.726, 114.856



Deuteranomaly
66, 64.545, 109.470



Tritanomaly
67, 44.911, 155.687

Monochromacy



Original Color
68, 89.711, 133.746



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 38.925, 135.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 89.711, 133.746 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(61, 190, 21)` looks like.

```
.text, #text, p{  
    color:rgb(61, 190, 21)  
}
```

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(61, 190, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 190, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 89.711, 133.746 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(61, 190, 21) }
```

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

```
.border{ border-color:rgb(61, 190, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 190, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 190, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 190, 21);  
box-shadow:4px 4px 4px 4px rgb(61, 190,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 89.711, 133.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 190, 21) }
```

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

```
.background{ background-color: rgb(61, 190,  
21) }
```

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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