

Converting Colors

CIELCh(68, 75.235, 146.718)

Have a look what the booklet for
CIELCh(68, 75.235, 146.718)
contains.

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Color

CIELCh(68, 75.288, 146.660)

Conversions

Conversions Part 1

Format	Color
Hex	03BF56
RGB	3, 191, 86
RGB Percent	1%, 75%, 34%
CMY	0.9875, 0.2508, 0.6626
CMYK	0.98, 0.00, 0.55, 0.25
HSL	146°, 97%, 38%
HSV	146°, 98%, 75%
XYZ	20.3605, 37.9720, 15.0677
YIQ	122.8180, -78.3430, -72.5110

Conversions

Conversions Part 2

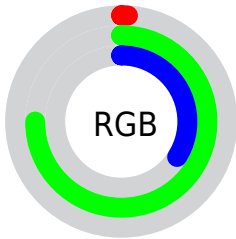
Format	Color
R_{YB}	3, 133, 191
Decimal	245590
CIE _{Lab}	68.00, -62.90, 41.38
CIE _{LCh}	68, 75.288, 146.660
Yxy	37.9720, 0.2774, 0.5173
Android (android.graphics.Color)	4278435670 (0xFF03BF56)
YUV	122.8180, -18.1513, -105.0804
Hunter-Lab	61.6215, -48.8588, 28.6374

Details

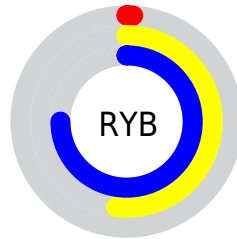
The CIELCh color **68, 75.288, 146.660** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **42, 69.038, 356.060**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 75.468, 146.589**, and **49, 67.572, 140.432** is the 20% darker color. If you saturate the color by 10%, you get **68, 76.058, 146.314**, and if you desaturate by 10%, it is **68, 70.464, 148.828**.

Distribution



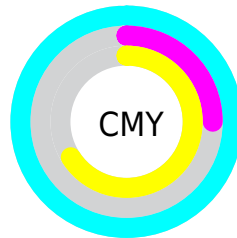
- Red (1%)
- Green (75%)
- Blue (34%)



- Red (1%)
- Yellow (52%)
- Blue (75%)



- Cyan (98%)
- Magenta (0%)
- Yellow (55%)
- Black (25%)




- Cyan (99%)
- Magenta (25%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 75.288, 146.660 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, 75.288, 146.660 by changing the saturation by 10% instead.


 68, 75.288,
146.660


 68, 75.288,
146.660

 100, 75.288,
146.660


 58, 75.288,
146.660


 88, 75.288,
146.660

 48, 75.288,
146.660

 98, 75.288,
146.660

 38, 75.288,
146.660

 28, 75.288,
146.660

 18, 75.288,
146.660

 8, 75.288, 146.660

 0, 75.288, 146.660

■ 68, 75.288,
146.660

■ 68, 75.288,
146.660

■ 68, 76.058,
146.314

■ 68, 70.464,
148.828

■ 69, 64.850,
150.861

■ 69, 58.384,
152.695

■ 70, 51.125,
154.323

■ 71, 43.186,
155.755

■ 72, 34.712,
157.014

■ 73, 25.862,
158.122

■ 74, 16.786,

159.105

■ 76, 7.618, 159.999

Harmonies

Complementary

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



68, 75.288, 146.660



42, 69.038, 356.060

Rectangle

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



68, 75.288, 146.660



68, 75.288, 196.660



68, 75.288, 326.660



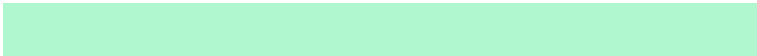
68, 75.288, 16.660

Sweetspot

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



68, 75.288, 146.660



92, 32.635, 158.003



70, 85.390, 125.534



49, 22.506, 157.535



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, 75.288, 146.660



86, 93.118, 145.930



70, 42.601, 186.803



39, 5.134, 159.910



57, 65.624, 146.662



9, 17.268, 154.808

Inverse Universe

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



42, 69.038, 356.060



54, 83.823, 357.247



40, 80.504, 36.989



37, 5.185, 341.292



34, 60.274, 356.051



3, 14.455, 348.115

Previews

White Background



This preview shows how the CIELCh color 68, 75.288, 146.660 looks on a white background.

Color Contrast Check

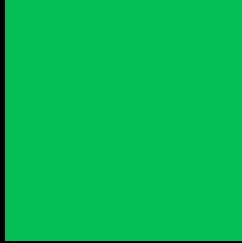
Large Text (above 18pt) WCAG AA × Fail

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, 75.288, 146.660 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, 75.288, 146.660

Background



This preview shows how black text looks on a background with the CIELCh color 68, 75.288, 146.660.



This preview shows how white text looks on a background with the CIELCh color 68, 75.288, 146.660.

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, 75.288, 146.660

Protanopia
68, 47.296, 96.042

Deuteranopia
67, 39.231, 77.497



Tritanopia
68, 30.444, 212.028

Trichromacy



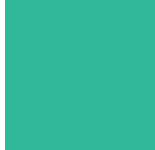
Original Color
68, 75.288, 146.660



Protanomaly
65, 54.912, 130.210



Deuteranomaly
65, 44.755, 128.116



Tritanomaly
68, 42.716, 173.961

Monochromacy



Original Color
68, 75.288, 146.660



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 33.737, 156.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 75.288, 146.660 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(3, 191, 86)` looks like.

```
.text, #text, p{  
    color:rgb(3, 191, 86)  
}
```

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(3, 191, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 191, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 75.288, 146.660 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(3, 191, 86) }
```

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

```
.border{ border-color:rgb(3, 191, 86) }
```

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

Here you see how a box with a 4 pixel rgb(3, 191, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 191, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 191, 86);  
box-shadow:4px 4px 4px 4px rgb(3, 191, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 68, 75.288, 146.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 191, 86) }
```

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

```
.background{ background-color: rgb(3, 191,  
86) }
```

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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