

Converting Colors

CIELCh(68, 67.311, 146.888)

Have a look what the booklet for
CIELCh(68, 67.311, 146.888)
contains.

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Color

CIELCh(68, 67.196, 146.993)

Conversions

Conversions Part 1

Format	Color
Hex	34BD60
RGB	52, 189, 96
RGB Percent	20%, 74%, 38%
CMY	0.7960, 0.2588, 0.6235
CMYK	0.72, 0.00, 0.49, 0.26
HSL	139°, 57%, 47%
HSV	139°, 72%, 74%
XYZ	21.7266, 37.9720, 17.2516
YIQ	137.4350, -51.7990, -57.9670

Conversions

Conversions Part 2

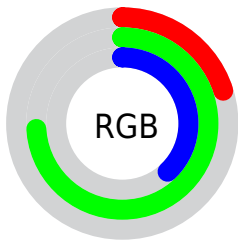
Format	Color
RYB	52, 156, 189
Decimal	3456352
CIELab	68.00, -56.35, 36.60
CIELCh	68, 67.196, 146.993
Yxy	37.9720, 0.2823, 0.4935
Android (android.graphics.Color)	4281646432 (0xFF34BD60)
YUV	137.4350, -20.4275, -74.9265
Hunter-Lab	61.6215, -44.9017, 26.5361

Details

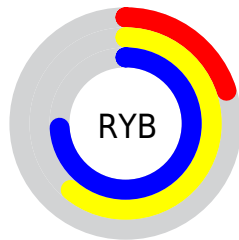
The CIELCh color **68, 67.196, 146.993** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **46, 65.781, 341.723**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 67.067, 147.024**, and **49, 62.448, 143.416** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.977, 145.176**, and if you desaturate by 10%, it is **69, 59.475, 148.633**.

Distribution



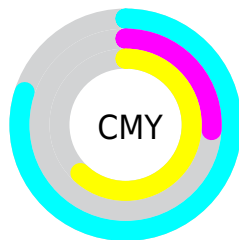
- Red (20%)
- Green (74%)
- Blue (38%)



- Red (20%)
- Yellow (61%)
- Blue (74%)



- Cyan (72%)
- Magenta (0%)
- Yellow (49%)
- Black (26%)




- Cyan (80%)
- Magenta (26%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 67.196, 146.993 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, 67.196, 146.993 by changing the saturation by 10% instead.


 68, 67.196,
146.993


 68, 67.196,
146.993

 100, 67.196,
146.993


 58, 67.196,
146.993


 88, 67.196,
146.993

 48, 67.196,
146.993

 98, 67.196,
146.993

 38, 67.196,
146.993

 28, 67.196,
146.993

 18, 67.196,
146.993

 8, 67.196, 146.993

 0, 67.196, 146.993

■ 68, 67.196,
146.993

■ 68, 67.196,
146.993

■ 68, 73.977,
145.176

■ 69, 59.475,
148.633

■ 67, 79.733,
143.222

■ 69, 50.954,
150.084

■ 67, 83.453,
141.775

■ 70, 41.805,
151.354

■ 72, 32.214,
152.461

■ 73, 22.358,
153.426

■ 74, 12.393,
154.276

■ 76, 2.448, 155.120

■ 78, 7.379, 335.589

■ 80, 17.013,
336.191

Harmonies

Complementary

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



68, 67.196, 146.993



46, 65.781, 341.723

Rectangle

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



68, 67.196, 146.993



68, 67.196, 196.993



68, 67.196, 326.993



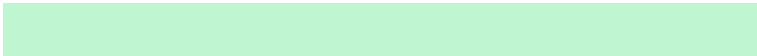
68, 67.196, 16.993

Sweetspot

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



68, 67.197, 146.993



92, 26.992, 153.438



71, 69.553, 119.140



48, 18.124, 153.190



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 67.197, 146.993



85, 94.119, 144.034



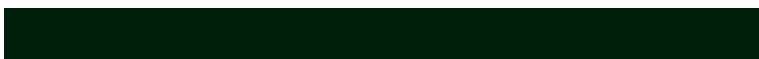
69, 42.019, 176.905



39, 5.611, 154.526



57, 72.631, 142.071



9, 18.482, 151.277

Inverse Universe

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



46, 65.781, 341.723



56, 87.005, 344.203



44, 58.463, 17.948



37, 5.642, 335.765



35, 63.882, 346.187



3, 15.797, 341.025

Previews

White Background



This preview shows how the CIELCh color 68, 67.196, 146.993 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, 67.196, 146.993 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, 67.196, 146.993

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.196, 146.993.

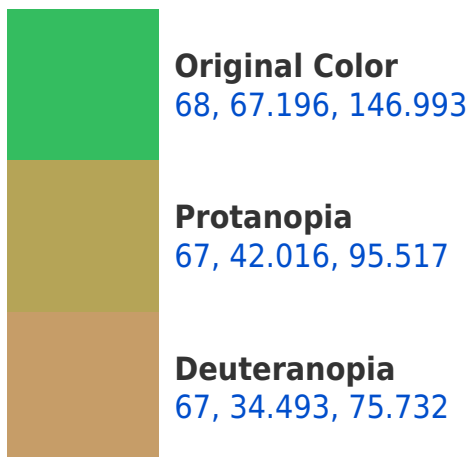


This preview shows how white text looks on a background with the CIELCh color 68, 67.196, 146.993.

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, 28.014, 214.743

Trichromacy



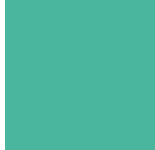
Original Color
68, 67.196, 146.993



Protanomaly
66, 47.103, 125.781



Deuteranomaly
66, 38.010, 121.656



Tritanomaly
68, 36.881, 175.327

Monochromacy



Original Color
68, 67.196, 146.993



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 27.218, 152.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.196, 146.993 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(52, 189, 96)` looks like.

```
.text, #text, p{  
    color:rgb(52, 189, 96)  
}
```

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(52, 189, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 189, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.196, 146.993 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(52, 189, 96) }
```

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

```
.border{ border-color:rgb(52, 189, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 189, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 189, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 189, 96);  
box-shadow:4px 4px 4px 4px rgb(52, 189,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.196, 146.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 189, 96) }
```

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

```
.background{ background-color: rgb(52, 189,  
96) }
```

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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