

Converting Colors

CIELCh(68, 59.269, 150.406)

Have a look what the booklet for
CIELCh(68, 59.269, 150.406)
contains.

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Color

CIELCh(68, 59.642, 150.176)

Conversions

Conversions Part 1

Format	Color
Hex	3FBC6E
RGB	63, 188, 110
RGB Percent	25%, 74%, 43%
CMY	0.7547, 0.2642, 0.5699
CMYK	0.67, 0.00, 0.42, 0.26
HSL	143°, 50%, 49%
HSV	143°, 67%, 74%
XYZ	22.7239, 37.9720, 20.7891
YIQ	141.7330, -49.4620, -50.7580

Conversions

Conversions Part 2

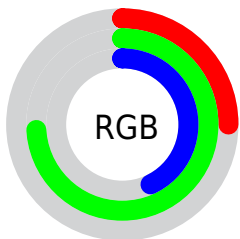
Format	Color
RYB	63, 154, 188
Decimal	4177006
CIELab	68.00, -51.74, 29.66
CIELCh	68, 59.642, 150.176
Yxy	37.9720, 0.2789, 0.4660
Android (android.graphics.Color)	4282367086 (0xFF3FBC6E)
YUV	141.7330, -15.6444, -69.0488
Hunter-Lab	61.6215, -42.0127, 23.1325

Details

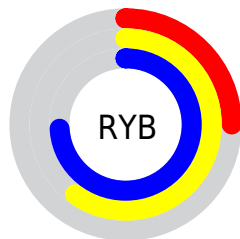
The CIELCh color **68, 59.642, 150.176** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **47, 59.911, 344.070**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 59.750, 150.117**, and **48, 56.431, 147.834** is the 20% darker color. If you saturate the color by 10%, you get **67, 66.604, 148.416**, and if you desaturate by 10%, it is **69, 51.876, 151.738**.

Distribution



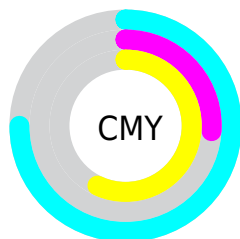
- Red (25%)
- Green (74%)
- Blue (43%)



- Red (25%)
- Yellow (60%)
- Blue (74%)



- Cyan (67%)
- Magenta (0%)
- Yellow (42%)
- Black (26%)





- Cyan (75%)
- Magenta (26%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 59.642, 150.176 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, 59.642, 150.176 by changing the saturation by 10% instead.


 68, 59.642,
150.176


 68, 59.642,
150.176


 100, 59.642,
150.176


 58, 59.642,
150.176


 88, 59.642,
150.176

 48, 59.642,
150.176

 98, 59.642,
150.176

 38, 59.642,
150.176

 28, 59.642,
150.176

 18, 59.642,
150.176

 8, 59.642, 150.176

 0, 59.642, 150.176

■ 68, 59.642,
150.176

■ 68, 59.642,
150.176

■ 67, 66.604,
148.416

■ 69, 51.876,
151.738

■ 67, 72.670,
146.469

■ 70, 43.443,
153.109

■ 67, 77.830,
144.388

■ 71, 34.508,
154.308

■ 67, 79.425,
143.725

■ 72, 25.237,
155.358

■ 73, 15.786,
156.284

■ 75, 6.289, 157.126

■ 77, 3.148, 337.680

■ 79, 12.443,
338.405

■ 81, 21.539,
338.996

Harmonies

Complementary

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



68, 59.642, 150.176



47, 59.911, 344.070

Rectangle

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



68, 59.642, 150.176



68, 59.642, 200.176



68, 59.642, 330.176



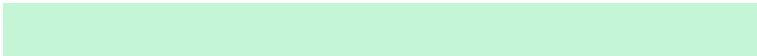
68, 59.642, 20.176

Sweetspot

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



68, 59.643, 150.176



92, 23.526, 155.957



71, 65.616, 121.264



49, 16.039, 155.697



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, 59.643, 150.176



86, 84.914, 147.530



69, 38.005, 182.404



39, 5.385, 156.902



57, 69.501, 144.028



9, 17.942, 152.765

Inverse Universe

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



47, 59.911, 344.070



57, 82.006, 346.543



45, 54.449, 19.737



37, 5.424, 338.205



34, 61.950, 350.546



3, 15.121, 344.287

Previews

White Background



This preview shows how the CIELCh color 68, 59.642, 150.176 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 CIE LCh color 68, 59.642, 150.176 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, 59.642, 150.176

Background



This preview shows how black text looks on a background with the CIELCh color 68, 59.642, 150.176.



This preview shows how white text looks on a background with the CIELCh color 68, 59.642, 150.176.

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, 59.642, 150.176

Protanopia
67, 34.867, 95.091

Deuteranopia
67, 27.647, 71.756



Tritanopia
68, 27.151, 214.120

Trichromacy



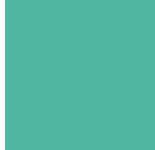
Original Color
68, 59.642, 150.176



Protanomaly
67, 40.008, 127.994



Deuteranomaly
66, 30.627, 123.473



Tritanomaly
68, 34.568, 177.938

Monochromacy



Original Color
68, 59.642, 150.176



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 23.667, 155.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 59.642, 150.176 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(63, 188, 110)` looks like.

```
.text, #text, p{  
    color:rgb(63, 188, 110)  
}
```

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(63, 188, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 188, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 59.642, 150.176 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(63, 188, 110) }
```

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

```
.border{ border-color:rgb(63, 188, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 188, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 188, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 188, 110);  
box-shadow:4px 4px 4px 4px rgb(63, 188,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 59.642, 150.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 188, 110) }
```

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

```
.background{ background-color: rgb(63, 188,  
110) }
```

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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