

Converting Colors

CIELCh(69, 50.336, 149.471)

Have a look what the booklet for
CIELCh(69, 50.336, 149.471)
contains.

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Color

CIElCh(69, 50.258, 149.513)

Conversions

Conversions Part 1

Format	Color
Hex	5BBB78
RGB	91, 187, 120
RGB Percent	36%, 73%, 47%
CMY	0.6414, 0.2649, 0.5278
CMYK	0.51, 0.00, 0.36, 0.26
HSL	138°, 42%, 55%
HSV	138°, 51%, 74%
XYZ	25.6400, 39.3444, 24.1437
YIQ	150.6580, -35.7090, -41.1890

Conversions

Conversions Part 2

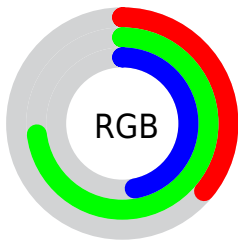
Format	Color
RYB	91, 165, 187
Decimal	6011768
CIELab	69.00, -43.31, 25.50
CIElCh	69, 50.258, 149.513
Yxy	39.3444, 0.2877, 0.4414
Android (android.graphics.Color)	4284201848 (0xFF5BBB78)
YUV	150.6580, -15.1144, -52.3201
Hunter-Lab	62.7251, -36.8040, 21.0861

Details

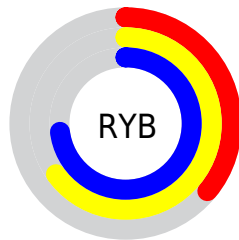
The CIELCh color **69, 50.258, 149.513** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 50.635, 338.344**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 50.265, 149.585**, and **49, 50.205, 149.672** is the 20% darker color. If you saturate the color by 10%, you get **68, 58.955, 148.099**, and if you desaturate by 10%, it is **70, 40.953, 150.750**.

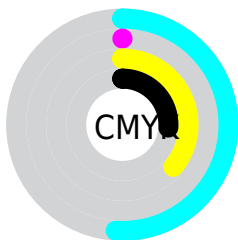
Distribution



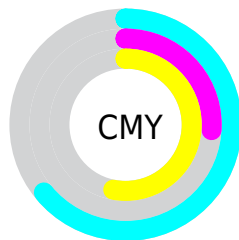
- Red (36%)
- Green (73%)
- Blue (47%)



- Red (36%)
- Yellow (65%)
- Blue (73%)



- Cyan (51%)
- Magenta (0%)
- Yellow (36%)
- Black (26%)





- Cyan (64%)
- Magenta (26%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 50.258, 149.513 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 69, 50.258, 149.513 by changing the saturation by 10% instead.

 69, 50.258,
149.513

 69, 50.258,
149.513


 100, 50.258,
149.513


 59, 50.258,
149.513


 89, 50.258,
149.513

 49, 50.258,
149.513

 99, 50.258,
149.513

 39, 50.258,
149.513

 29, 50.258,
149.513

 19, 50.258,
149.513

 9, 50.258, 149.513

 0, 50.258, 149.513

■ 69, 50.258,
149.513

■ 69, 50.258,
149.513

■ 68, 58.955,
148.099

■ 70, 40.953,
150.750

■ 68, 66.860,
146.500

■ 71, 31.229,
151.826

■ 67, 73.818,
144.729

■ 73, 21.263,
152.765

■ 67, 79.723,
142.827

■ 74, 11.211,
153.591

■ 67, 84.092,
141.175

■ 76, 1.198, 154.543

■ 78, 8.678, 334.863

■ 80, 18.350,
335.438

■ 82, 27.770,
335.940

■ 84, 35.715,
334.076

Harmonies

Complementary

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



69, 50.258, 149.513



53, 50.635, 338.344

Rectangle

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



69, 50.258, 149.513



69, 50.258, 199.513



69, 50.258, 329.513



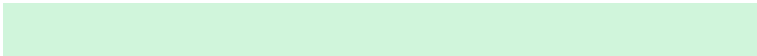
69, 50.258, 19.513

Sweetspot

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



69, 50.259, 149.513



93, 18.659, 153.268



72, 51.352, 118.954



49, 12.731, 153.094



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 50.259, 149.513



87, 72.847, 147.978



70, 33.080, 178.175



39, 5.692, 153.736



57, 73.670, 141.451



9, 18.668, 150.794

Inverse Universe

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



53, 50.635, 338.344



63, 72.575, 339.431



51, 41.249, 10.390



37, 5.721, 334.954



35, 64.655, 344.747



3, 16.058, 339.896

Previews

White Background



This preview shows how the CIE LCh color 69, 50.258, 149.513 looks on a white background.

Color Contrast Check

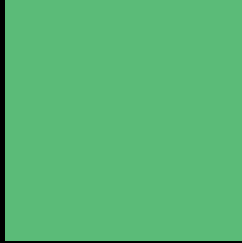
Large Text (above 18pt) WCAG AA × Fail

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 69, 50.258, 149.513 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 69, 50.258, 149.513

Background



This preview shows how black text looks on a background with the CIELCh color 69, 50.258, 149.513.

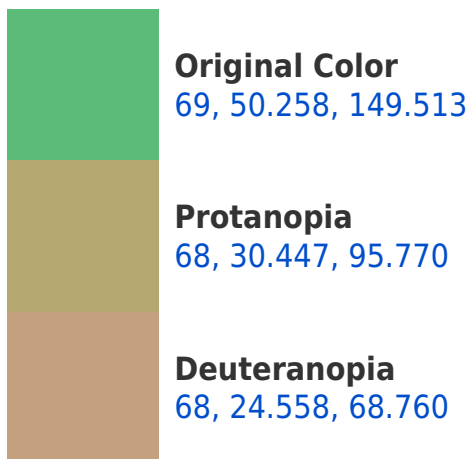


This preview shows how white text looks on a background with the CIELCh color 69, 50.258, 149.513.

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
69, 22.854, 217.644

Trichromacy



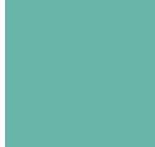
Original Color
69, 50.258, 149.513



Protanomaly
68, 33.605, 125.341



Deuteranomaly
68, 25.410, 117.788



Tritanomaly
69, 27.961, 179.912

Monochromacy



Original Color
69, 50.258, 149.513



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 19.004, 153.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 50.258, 149.513 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(91, 187, 120)` looks like.

```
.text, #text, p{  
    color:rgb(91, 187, 120)  
}
```

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(91, 187, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 187, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 50.258, 149.513 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(91, 187, 120) }
```

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

```
.border{ border-color:rgb(91, 187, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 187, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 187, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 187, 120);  
box-shadow:4px 4px 4px 4px rgb(91, 187,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 50.258, 149.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 187, 120) }
```

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

```
.background{ background-color: rgb(91, 187,  
120) }
```

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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