

Converting Colors

CIELCh(69, 56.519, 148.150)

Have a look what the booklet for
CIELCh(69, 56.519, 148.150)
contains.

CIELCh(69, 56.519, 148.150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 56.519, 148.150)

Conversions

Conversions Part 1

Format	Color
Hex	51BD70
RGB	81, 189, 112
RGB Percent	32%, 74%, 44%
CMY	0.6821, 0.2586, 0.5606
CMYK	0.57, 0.00, 0.41, 0.26
HSL	137°, 45%, 53%
HSV	137°, 57%, 74%
XYZ	24.5372, 39.3444, 21.6462
YIQ	147.9300, -39.6510, -46.8430

Conversions

Conversions Part 2

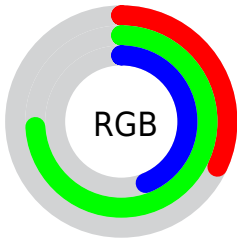
Format	Color
RYB	81, 165, 189
Decimal	5356912
CIELab	69.00, -48.01, 29.82
CIElCh	69, 56.519, 148.150
Yxy	39.3444, 0.2869, 0.4600
Android (android.graphics.Color)	4283546992 (0xFF51BD70)
YUV	147.9300, -17.7135, -58.6976
Hunter-Lab	62.7251, -39.9421, 23.4468

Details

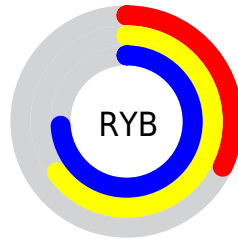
The CIELCh color **69, 56.519, 148.150** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **51, 56.535, 338.217**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 56.216, 148.251**, and **49, 56.644, 148.171** is the 20% darker color. If you saturate the color by 10%, you get **68, 64.921, 146.636**, and if you desaturate by 10%, it is **70, 47.381, 149.483**.

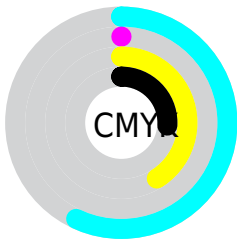
Distribution



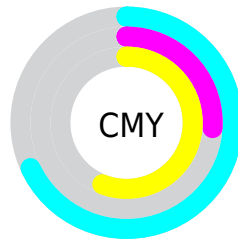
- Red (32%)
- Green (74%)
- Blue (44%)



- Red (32%)
- Yellow (65%)
- Blue (74%)



- Cyan (57%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)





- Cyan (68%)
- Magenta (26%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 56.519, 148.150 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, 56.519, 148.150 by changing the saturation by 10% instead.


 69, 56.519,
148.150


 69, 56.519,
148.150


 100, 56.519,
148.150


 59, 56.519,
148.150


 89, 56.519,
148.150

 49, 56.519,
148.150


 99, 56.519,
148.150

 39, 56.519,
148.150

 29, 56.519,
148.150

 19, 56.519,
148.150

 9, 56.519, 148.150

 0, 56.519, 148.150

■ 69, 56.519,
148.150

■ 69, 56.519,
148.150

■ 68, 64.921,
146.636

■ 70, 47.381,
149.483

■ 68, 72.406,
144.947

■ 71, 37.700,
150.645

■ 67, 78.836,
143.115

■ 72, 27.670,
151.656

■ 67, 84.146,
141.221

■ 74, 17.465,
152.537

■ 67, 85.519,
140.722

■ 75, 7.232, 153.325

■ 77, 2.913, 333.837

■ 79, 12.885,
334.510

■ 81, 22.623,
335.041

■ 83, 32.089,
335.510

Harmonies

Complementary

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



69, 56.519, 148.150



51, 56.535, 338.217

Rectangle

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



69, 56.519, 148.150



69, 56.519, 198.150



69, 56.519, 328.150



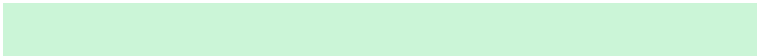
69, 56.519, 18.150

Sweetspot

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



69, 56.520, 148.150



93, 21.391, 152.525



72, 56.864, 118.002



49, 14.308, 152.357



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, 56.520, 148.150



86, 81.655, 146.150



70, 36.765, 176.056



39, 5.754, 153.153



57, 74.432, 141.004



9, 18.809, 150.434

Inverse Universe

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



51, 56.535, 338.217



60, 79.934, 339.578



49, 46.415, 10.549



37, 5.782, 334.355



35, 65.269, 343.690



3, 16.264, 339.049

Previews

White Background



This preview shows how the CIE LCh color 69, 56.519, 148.150 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 69, 56.519, 148.150 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, 56.519, 148.150

Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.519, 148.150.

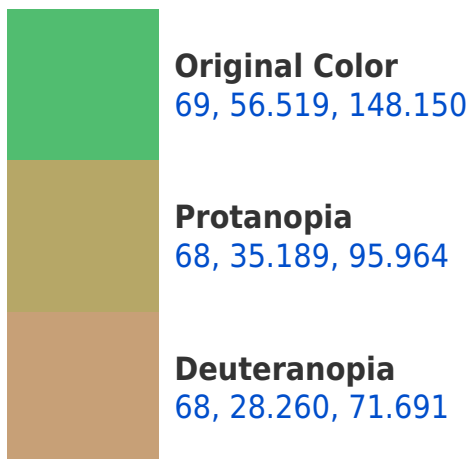


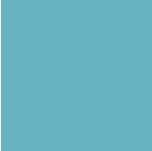
This preview shows how white text looks on a background with the CIELCh color 69, 56.519, 148.150.

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, 24.602, 217.452

Trichromacy



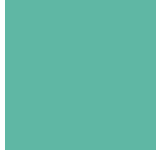
Original Color
69, 56.519, 148.150



Protanomaly
68, 39.058, 124.855



Deuteranomaly
68, 30.412, 118.852



Tritanomaly
69, 31.194, 177.249

Monochromacy



Original Color
69, 56.519, 148.150



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 21.721, 151.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 56.519, 148.150 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(81, 189, 112)` looks like.

```
.text, #text, p{  
    color:rgb(81, 189, 112)  
}
```

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(81, 189, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 189, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 56.519, 148.150 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(81, 189, 112) }
```

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

```
.border{ border-color:rgb(81, 189, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 189, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 189, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 189, 112);  
box-shadow:4px 4px 4px 4px rgb(81, 189,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 56.519, 148.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 189, 112) }
```

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

```
.background{ background-color: rgb(81, 189,  
112) }
```

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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