

Converting Colors

CIELCh(69, 56.461, 146.614)

Have a look what the booklet for
CIELCh(69, 56.461, 146.614)
contains.

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Color

CIELCh(69, 56.461, 146.614)

Conversions

Conversions Part 1

Format	Color
Hex	56BD6E
RGB	86, 189, 110
RGB Percent	34%, 74%, 43%
CMY	0.6640, 0.2600, 0.5697
CMYK	0.55, 0.00, 0.42, 0.26
HSL	134°, 44%, 54%
HSV	134°, 55%, 74%
XYZ	24.7378, 39.3444, 20.9613
YIQ	149.1970, -36.0290, -46.4050

Conversions

Conversions Part 2

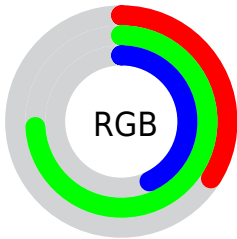
Format	Color
RYB	86, 170, 189
Decimal	5684590
CIELab	69.00, -47.14, 31.07
CIELCh	69, 56.461, 146.614
Yxy	39.3444, 0.2909, 0.4626
Android (android.graphics.Color)	4283874670 (0xFF56BD6E)
YUV	149.1970, -19.3241, -55.4238
Hunter-Lab	62.7251, -39.3713, 24.0942

Details

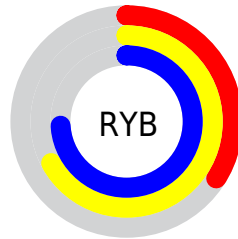
The CIELCh color **69, 56.461, 146.614** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **52, 56.282, 335.568**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 56.624, 146.470**, and **49, 56.538, 146.634** is the 20% darker color. If you saturate the color by 10%, you get **68, 65.401, 145.188**, and if you desaturate by 10%, it is **70, 46.785, 147.871**.

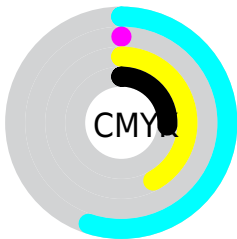
Distribution



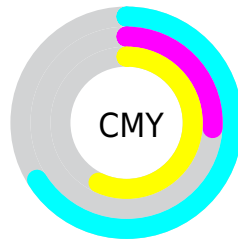
- Red (34%)
- Green (74%)
- Blue (43%)



- Red (34%)
- Yellow (67%)
- Blue (74%)



- Cyan (55%)
- Magenta (0%)
- Yellow (42%)
- Black (26%)





- Cyan (66%)
- Magenta (26%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 56.461, 146.614 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, 56.461, 146.614 by changing the saturation by 10% instead.

 69, 56.461,
146.614

 69, 56.461,
146.614

 100, 56.461,
146.614


 59, 56.461,
146.614


 89, 56.461,
146.614

 49, 56.461,
146.614

 99, 56.461,
146.614

 39, 56.461,
146.614

 29, 56.461,
146.614

 19, 56.461,
146.614

 9, 56.461, 146.614

 0, 56.461, 146.614

69, 56.461,
146.614

69, 56.461,
146.614

68, 65.401,
145.188

70, 46.785,
147.871

68, 73.388,
143.604

71, 36.592,
148.966

67, 80.231,
141.901

72, 26.089,
149.915

67, 85.780,
140.154

74, 15.454,
150.741

67, 88.290,
139.295

76, 4.834, 151.492

78, 5.657, 331.991

80, 15.939,
332.564

82, 25.958,
333.045

■ 84, 35.568,
333.235

Harmonies

Complementary

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



69, 56.461, 146.614



52, 56.282, 335.568

Rectangle

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



69, 56.461, 146.614



69, 56.461, 196.614



69, 56.461, 326.614



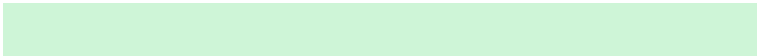
69, 56.461, 16.614

Sweetspot

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



69, 56.462, 146.614



93, 20.943, 150.611



73, 54.055, 115.930



49, 14.142, 150.447



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, 56.462, 146.614



86, 82.035, 144.811



70, 36.948, 172.431



39, 5.985, 151.136



57, 77.005, 139.545



9, 19.327, 149.172

Inverse Universe

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



52, 56.282, 335.568



62, 80.337, 336.628



50, 44.443, 6.105



37, 6.007, 332.285



35, 67.700, 340.081



3, 17.072, 336.031

Previews

White Background



This preview shows how the CIELCh color 69, 56.461, 146.614 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, 56.461, 146.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

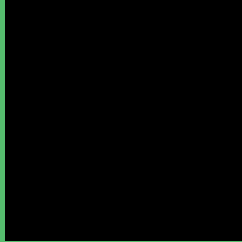
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 56.461, 146.614

Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.461, 146.614.



This preview shows how white text looks on a background with the CIELCh color 69, 56.461, 146.614.

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
69, 56.461, 146.614

Protanopia
68, 36.301, 95.454

Deuteranopia
68, 29.641, 73.252



Tritanopia
69, 23.577, 216.963

Trichromacy



Original Color
69, 56.461, 146.614



Protanomaly
68, 39.648, 122.712



Deuteranomaly
67, 30.715, 116.377



Tritanomaly
69, 30.499, 175.751

Monochromacy



Original Color
69, 56.461, 146.614



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 21.215, 150.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 56.461, 146.614 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(86, 189, 110)` looks like.

```
.text, #text, p{  
    color:rgb(86, 189, 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(86, 189, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 189, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 56.461, 146.614 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(86, 189, 110) }
```

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

```
.border{ border-color:rgb(86, 189, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 189, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 189, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 189, 110);  
box-shadow:4px 4px 4px 4px rgb(86, 189,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 56.461, 146.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 189, 110) }
```

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

```
.background{ background-color: rgb(86, 189,  
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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