

# Converting Colors

CIELCh(70, 59.018, 145.026)

Have a look what the booklet for  
CIELCh(70, 59.018, 145.026)  
contains.

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**Color**

**CIELCh(70, 59.024, 145.004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58C06B
RGB	88, 192, 107
RGB Percent	35%, 75%, 42%
CMY	0.6556, 0.2477, 0.5810
CMYK	0.54, 0.00, 0.44, 0.25
HSL	131°, 45%, 55%
HSV	131°, 54%, 75%
XYZ	25.4660, 40.7494, 20.3904
YIQ	151.2140, -34.6990, -48.4830

# Conversions

## Conversions Part 2

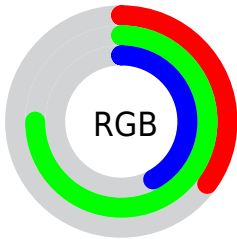
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">88, 176, 192</a>
Decimal	<a href="#">5816427</a>
CIELab	<a href="#">70.00, -48.35, 33.85</a>
CIELCh	<a href="#">70, 59.024, 145.004</a>
Yxy	<a href="#">40.7494, 0.2940, 0.4705</a>
Android (android.graphics.Color)	<a href="#">4284006507 (0xFF58C06B)</a>
YUV	<a href="#">151.2140, -21.7975, -55.4387</a>
Hunter-Lab	<a href="#">63.8353, -40.5020, 25.7461</a>

# Details

The CIELCh color **70, 59.024, 145.004** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **53, 58.639, 333.459**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 59.140, 144.919**, and **50, 58.575, 145.167** is the 20% darker color. If you saturate the color by 10%, you get **69, 68.414, 143.628**, and if you desaturate by 10%, it is **71, 48.833, 146.226**.

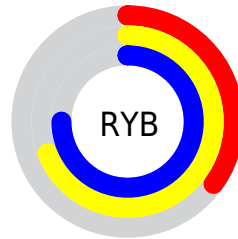
# Distribution



Red (35%)

Green (75%)

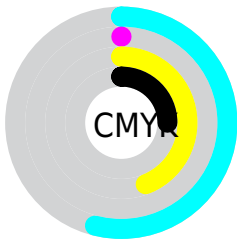
Blue (42%)



Red (35%)

Yellow (69%)

Blue (75%)

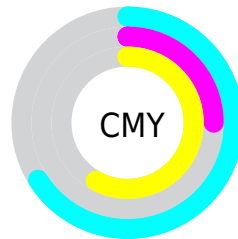


Cyan (54%)

Magenta (0%)

Yellow (44%)

Black (25%)



Cyan (66%)

Magenta (25%)


Yellow (58%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 59.024, 145.004 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 70, 59.024, 145.004 by changing the saturation by 10% instead.





 70, 59.024,  
145.004


 70, 59.024,  
145.004


 100, 59.024,  
145.004


 60, 59.024,  
145.004


 90, 59.024,  
145.004

 50, 59.024,  
145.004

 40, 59.024,  
145.004

 30, 59.024,  
145.004

 20, 59.024,  
145.004

 10, 59.024,  
145.004

 0, 59.024, 145.004

70, 59.024,  
145.004

70, 59.024,  
145.004

69, 68.414,  
143.628

71, 48.833,  
146.226

69, 76.744,  
142.119

72, 38.089,  
147.292

68, 83.768,  
140.532

74, 27.023,  
148.215

68, 89.277,  
138.962

75, 15.829,  
149.015

68, 91.791,  
138.174

77, 4.664, 149.742

79, 6.355, 330.221

81, 17.143,  
330.761

83, 27.644,  
331.213

■ 85, 36.708,  
329.105

# Harmonies

# Complementary

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



70, 59.024, 145.004



53, 58.639, 333.459

# Rectangle

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



70, 59.024, 145.004



70, 59.024, 195.004



70, 59.024, 325.004



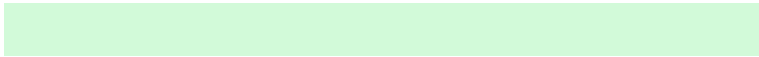
70, 59.024, 15.004

# Sweetspot

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



70, 59.025, 145.004



95, 22.097, 148.861



74, 53.929, 112.951



50, 14.926, 148.700



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



70, 59.025, 145.004



88, 85.422, 143.361



71, 39.443, 167.688



40, 6.347, 149.368



58, 80.081, 138.386



10, 22.199, 147.571



# Inverse Universe

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



53, 58.639, 333.459



64, 83.549, 334.304



51, 45.302, 1.055



38, 6.366, 330.480



36, 71.056, 337.020



4, 20.363, 333.682



# Previews

## White Background



This preview shows how the CIELCh color 70, 59.024, 145.004 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 70, 59.024, 145.004 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 70, 59.024, 145.004

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 59.024, 145.004.



This preview shows how white text looks on a background with the CIELCh color 70, 59.024, 145.004.

# 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**  
70, 59.024, 145.004

**Protanopia**  
70, 38.734, 95.929

**Deuteranopia**  
69, 32.195, 73.238





**Tritanopia**  
70, 23.583, 216.911

# Trichromacy



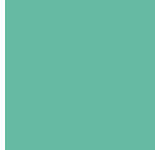
**Original Color**  
70, 59.024, 145.004



**Protanomaly**  
69, 42.109, 122.142



**Deuteranomaly**  
69, 33.663, 114.610



**Tritanomaly**  
70, 31.032, 174.015

# Monochromacy



**Original Color**  
70, 59.024, 145.004



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
65, 22.680, 148.392

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 59.024, 145.004 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(88, 192, 107)` looks like.

```
.text, #text, p{  
    color:rgb(88, 192, 107)  
}
```

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(88, 192, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 192, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 59.024, 145.004 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(88, 192, 107) }
```

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

```
.border{ border-color:rgb(88, 192, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 192, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 192, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 192, 107);  
box-shadow:4px 4px 4px 4px rgb(88, 192,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 59.024, 145.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 192, 107) }
```

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

```
.background{ background-color: rgb(88, 192,  
107) }
```

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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