

# Converting Colors

CIELCh(71, 57.620, 148.900)

Have a look what the booklet for  
CIELCh(71, 57.620, 148.900)  
contains.

<b>CIELCh(71, 57.643, 148.860)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(71, 57.643, 148.860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52C375
RGB	82, 195, 117
RGB Percent	32%, 76%, 46%
CMY	0.6778, 0.2347, 0.5406
CMYK	0.58, 0.00, 0.40, 0.23
HSL	139°, 49%, 54%
HSV	139°, 58%, 77%
XYZ	26.2624, 42.1875, 23.6312
YIQ	152.3210, -42.3100, -48.2140

# Conversions

## Conversions Part 2

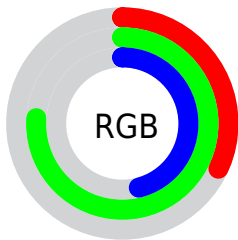
Format	Color
<a href="#">RYB</a>	<a href="#">82, 168, 195</a>
Decimal	<a href="#">5423989</a>
CIELab	<a href="#">71.00, -49.34, 29.81</a>
CIELCh	<a href="#">71, 57.643, 148.860</a>
Yxy	<a href="#">42.1875, 0.2852, 0.4582</a>
Android (android.graphics.Color)	<a href="#">4283614069 (0xFF52C375)</a>
YUV	<a href="#">152.3210, -17.4133, -61.6715</a>
Hunter-Lab	<a href="#">64.9519, -41.4920, 23.8951</a>

# Details

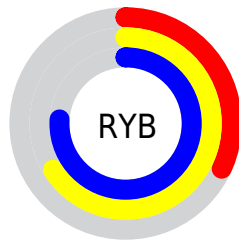
The CIELCh color **71, 57.643, 148.860** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **52, 57.797, 339.404**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 57.408, 149.015**, and **51, 57.581, 148.651** is the 20% darker color. If you saturate the color by 10%, you get **70, 66.034, 147.309**, and if you desaturate by 10%, it is **72, 48.497, 150.225**.

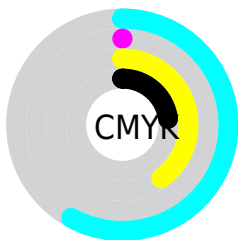
# Distribution



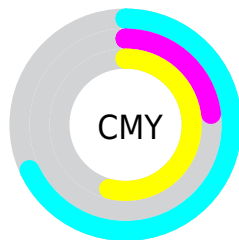
- Red (32%)
- Green (76%)
- Blue (46%)



- Red (32%)
- Yellow (66%)
- Blue (76%)



- Cyan (58%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)



- Cyan (68%)
- Magenta (23%)
- Yellow (54%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 57.643, 148.860 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 71, 57.643, 148.860 by changing the saturation by 10% instead.





 71, 57.643,  
148.860

 71, 57.643,  
148.860


 100, 57.643,  
148.860

 61, 57.643,  
148.860


 91, 57.643,  
148.860

 51, 57.643,  
148.860

 41, 57.643,  
148.860

 31, 57.643,  
148.860

 21, 57.643,  
148.860

 11, 57.643,  
148.860

 1, 57.643, 148.860

0, 57.643, 148.860

71, 57.643,  
148.860

71, 57.643,  
148.860

70, 66.034,  
147.309

72, 48.497,  
150.225

70, 73.501,  
145.576

73, 38.785,  
151.416

69, 79.920,  
143.689

74, 28.702,  
152.452

69, 85.262,  
141.737

76, 18.423,  
153.357

69, 86.289,  
141.358

77, 8.098, 154.165

79, 2.152, 334.656

81, 12.237,

335.392

■ 83, 22.094,  
335.945

■ 85, 31.010,  
335.011

# Harmonies

# Complementary

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



71, 57.643, 148.860



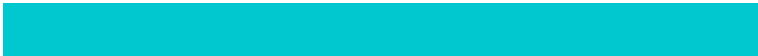
52, 57.797, 339.404

# Rectangle

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



71, 57.643, 148.860



71, 57.643, 198.860



71, 57.643, 328.860



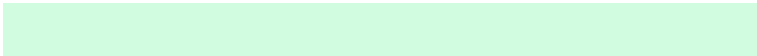
71, 57.643, 18.860

# Sweetspot

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



71, 57.644, 148.860



96, 21.564, 153.411



74, 59.227, 118.682



51, 14.546, 153.236



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



71, 57.644, 148.860



89, 82.212, 146.948



72, 37.573, 177.340



40, 5.785, 154.050



58, 74.170, 141.669



10, 20.825, 150.374



# Inverse Universe

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



52, 57.797, 339.404



62, 80.752, 340.791



50, 48.297, 12.067



38, 5.816, 335.281



35, 65.083, 345.352



3, 18.110, 340.796



# Previews

## White Background



This preview shows how the CIELCh color 71, 57.643, 148.860 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 71, 57.643, 148.860 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 71, 57.643, 148.860**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 71, 57.643, 148.860.



This preview shows how white text looks on a background with the CIELCh color 71, 57.643, 148.860.

# 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**  
71, 57.643, 148.860

**Protanopia**  
71, 35.504, 96.206

**Deuteranopia**  
70, 28.342, 71.129





**Tritanopia**  
71, 25.544, 216.543

# Trichromacy



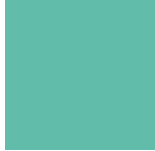
**Original Color**  
71, 57.643, 148.860



**Protanomaly**  
70, 39.475, 125.188



**Deuteranomaly**  
69, 29.845, 119.894



**Tritanomaly**  
71, 32.110, 177.931

# Monochromacy



**Original Color**  
71, 57.643, 148.860



**Achromatopsia**  
63, 0.008, 296.813



**Achromatomaly**  
65, 22.526, 152.147

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 57.643, 148.860 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(82, 195, 117)` looks like.

```
.text, #text, p{  
    color:rgb(82, 195, 117)  
}
```

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(82, 195, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 195, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 57.643, 148.860 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(82, 195, 117) }
```

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

```
.border{ border-color:rgb(82, 195, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 195, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 195, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 195, 117);  
box-shadow:4px 4px 4px 4px rgb(82, 195,  
117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 57.643, 148.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 195, 117) }
```

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

```
.background{ background-color: rgb(82, 195,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor