

# Converting Colors

CIELCh(75, 59.129, 145.124)

Have a look what the booklet for  
CIELCh(75, 59.129, 145.124)  
contains.

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# Color

**CIELCh(75, 58.996, 145.139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CE78
RGB	102, 206, 120
RGB Percent	40%, 81%, 47%
CMY	0.6003, 0.1925, 0.5297
CMYK	0.51, 0.00, 0.42, 0.19
HSL	130°, 51%, 60%
HSV	130°, 51%, 81%
XYZ	30.9079, 48.2781, 25.4355
YIQ	165.1000, -34.3780, -48.7940

# Conversions

## Conversions Part 2

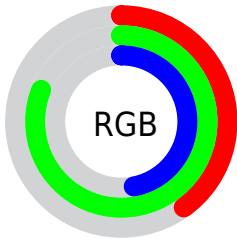
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 191, 206
Decimal	6737528
CIELab	75.00, -48.41, 33.72
CIELCh	75, 58.996, 145.139
Yxy	48.2781, 0.2954, 0.4615
Android (android.graphics.Color)	4284927608 (0xFF66CE78)
YUV	165.1000, -22.2343, -55.3387
Hunter-Lab	69.4824, -42.1920, 26.9334

# Details

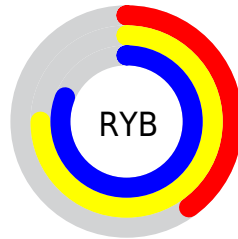
The CIELCh color **75, 58.996, 145.139** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **58, 58.752, 332.841**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 54.105, 145.702**, and **55, 59.101, 145.211** is the 20% darker color. If you saturate the color by 10%, you get **74, 69.332, 143.817**, and if you desaturate by 10%, it is **76, 47.891, 146.306**.

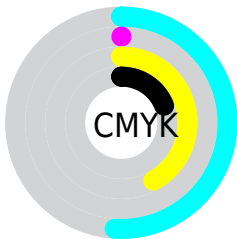
# Distribution



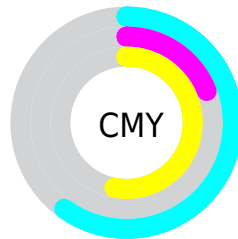
- Red (40%)
- Green (81%)
- Blue (47%)



- Red (40%)
- Yellow (75%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (19%)




- Cyan (60%)
- Magenta (19%)
- Yellow (53%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 58.996, 145.139 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 75, 58.996, 145.139 by changing the saturation by 10% instead.





 75, 58.996,  
145.139


 75, 58.996,  
145.139


 100, 58.996,  
145.139


 65, 58.996,  
145.139


 95, 58.996,  
145.139

 55, 58.996,  
145.139

 45, 58.996,  
145.139

 35, 58.996,  
145.139

 25, 58.996,  
145.139

 15, 58.996,  
145.139

 5, 58.996, 145.139

0, 58.996, 145.139

75, 58.996,  
145.139

75, 58.996,  
145.139

74, 69.332,  
143.817

76, 47.891,  
146.306

73, 78.611,  
142.355

77, 36.280,  
147.320

73, 86.556,  
140.801

79, 24.402,  
148.196

73, 92.912,  
139.239

81, 12.453,  
148.958

72, 97.377,  
137.918

83, 0.587, 150.103

85, 11.083,  
330.106

87, 22.478,  
330.603

88, 30.773,  
325.496

# Harmonies

# Complementary

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



75, 58.996, 145.139



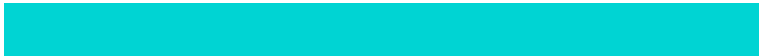
58, 58.752, 332.841

# Rectangle

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



75, 58.996, 145.139



75, 58.996, 195.139



75, 58.996, 325.139



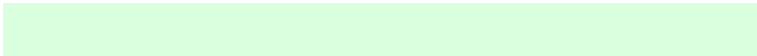
75, 58.996, 15.139

# Sweetspot

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



75, 58.997, 145.139



97, 21.199, 148.613



80, 53.560, 113.151



51, 14.474, 148.450



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



75, 58.997, 145.139



90, 82.894, 143.641



76, 39.321, 168.176



42, 6.668, 149.038



59, 82.399, 138.155



12, 26.323, 145.966



# Inverse Universe

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



58, 58.752, 332.841



66, 81.561, 333.614



56, 44.817, 0.332



40, 6.687, 330.150



38, 73.220, 336.485



5, 25.212, 334.115



# Previews

## White Background



This preview shows how the CIELCh color 75, 58.996, 145.139 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 75, 58.996, 145.139 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 75, 58.996, 145.139**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 58.996, 145.139.

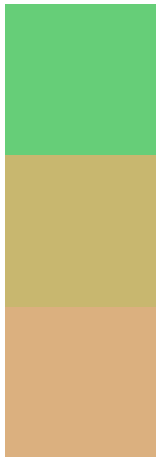


This preview shows how white text looks on a background with the CIELCh color 75, 58.996, 145.139.

# 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**  
75, 58.996, 145.139

**Protanopia**  
74, 38.892, 95.724

**Deuteranopia**  
75, 32.343, 73.424





**Tritanopia**  
75, 23.792, 219.367

# Trichromacy



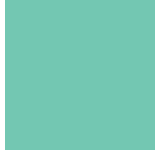
**Original Color**  
75, 58.996, 145.139



**Protanomaly**  
74, 42.038, 121.543



**Deuteranomaly**  
74, 33.760, 114.624



**Tritanomaly**  
75, 30.611, 175.246

# Monochromacy



**Original Color**  
75, 58.996, 145.139



**Achromatopsia**  
68, 0.008, 296.813



**Achromatomaly**  
70, 22.339, 148.528

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 58.996, 145.139 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(102, 206, 120)` looks like.

```
.text, #text, p{  
    color:rgb(102, 206, 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(102, 206, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 206, 120) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 58.996, 145.139 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(102, 206, 120) }
```

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

```
.border{ border-color:rgb(102, 206, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 206, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 206, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 206, 120);  
box-shadow:4px 4px 4px 4px rgb(102, 206,  
120) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 58.996, 145.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 206, 120) }
```

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

```
.background{ background-color: rgb(102,  
206, 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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