

# Converting Colors

CIELCh(76, 64.543, 145.707)

Have a look what the booklet for  
CIELCh(76, 64.543, 145.707)  
contains.

<b>CIELCh(76, 64.894, 145.690)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(76, 64.894, 145.690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD375
RGB	91, 211, 117
RGB Percent	36%, 83%, 46%
CMY	0.6447, 0.1740, 0.5425
CMYK	0.57, 0.00, 0.45, 0.17
HSL	133°, 57%, 59%
HSV	133°, 57%, 83%
XYZ	30.6703, 49.8872, 24.7398
YIQ	164.4040, -41.3460, -54.6740

# Conversions

## Conversions Part 2

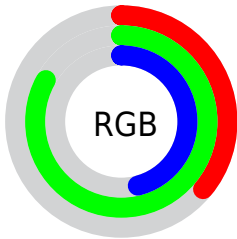
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 190, 211
Decimal	6017909
CIELab	76.00, -53.60, 36.58
CIElCh	76, 64.894, 145.690
Yxy	49.8872, 0.2913, 0.4738
Android (android.graphics.Color)	4284207989 (0xFF5BD375)
YUV	164.4040, -23.3702, -64.3753
Hunter-Lab	70.6309, -46.0934, 28.6742

# Details

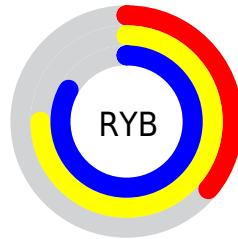
The CIELCh color **76, 64.894, 145.690** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 64.409, 335.096**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 57.114, 146.735**, and **56, 64.561, 145.825** is the 20% darker color. If you saturate the color by 10%, you get **75, 74.499, 144.223**, and if you desaturate by 10%, it is **77, 54.388, 146.992**.

# Distribution



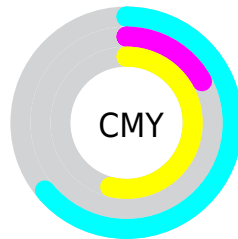
- Red (36%)
- Green (83%)
- Blue (46%)



- Red (36%)
- Yellow (75%)
- Blue (83%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (17%)




- Cyan (64%)
- Magenta (17%)
- Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 64.894, 145.690 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 76, 64.894, 145.690 by changing the saturation by 10% instead.





 76, 64.894,  
145.690


 76, 64.894,  
145.690


 100, 64.894,  
145.690


 66, 64.894,  
145.690


 96, 64.894,  
145.690

 56, 64.894,  
145.690

 46, 64.894,  
145.690

 36, 64.894,  
145.690

 26, 64.894,  
145.690

 16, 64.894,  
145.690

 6, 64.894, 145.690

0, 64.894, 145.690

76, 64.894,  
145.690

76, 64.894,  
145.690

75, 74.499,  
144.223

77, 54.388,  
146.992

75, 82.952,  
142.612

78, 43.234,  
148.129

74, 90.037,  
140.913

80, 31.673,  
149.114

74, 95.598,  
139.232

81, 19.920,  
149.968

74, 97.015,  
138.786

83, 8.149, 150.722

85, 3.504, 331.222

87, 14.939,

331.844

■ 89, 25.184,  
329.704

■ 89, 27.807,  
325.393

# Harmonies

# Complementary

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



76, 64.894, 145.690



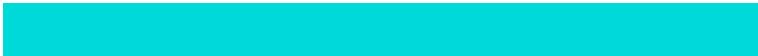
57, 64.409, 335.096

# Rectangle

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



76, 64.894, 145.690



76, 64.894, 195.690



76, 64.894, 325.690



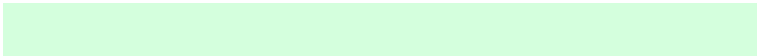
76, 64.894, 15.690

# Sweetspot

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



76, 64.895, 145.690



96, 23.285, 149.952



80, 61.181, 115.060



51, 15.582, 149.787



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



76, 64.895, 145.690



89, 87.877, 143.948



77, 42.360, 170.791



43, 6.592, 150.545



60, 81.554, 139.064



13, 27.315, 145.890



# Inverse Universe

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



57, 64.409, 335.096



64, 85.576, 336.067



55, 50.749, 5.512



41, 6.615, 331.697



38, 71.665, 339.124



5, 26.306, 336.487



# Previews

## White Background



This preview shows how the CIELCh color 76, 64.894, 145.690 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 76, 64.894, 145.690 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 76, 64.894, 145.690**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 76, 64.894, 145.690.

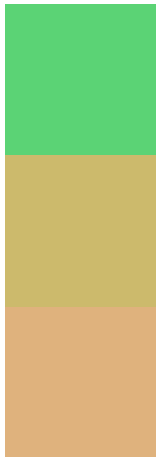


This preview shows how white text looks on a background with the CIELCh color 76, 64.894, 145.690.

# 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

76, 64.894, 145.690

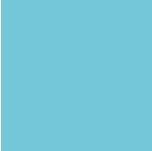
### Protanopia

75, 41.867, 95.630

### Deuteranopia

75, 34.597, 73.961





**Tritanopia**  
76, 26.375, 216.953

# Trichromacy



**Original Color**  
76, 64.894, 145.690



**Protanomaly**  
75, 45.854, 122.604



**Deuteranomaly**  
74, 36.475, 116.442



**Tritanomaly**  
76, 34.315, 174.621

# Monochromacy



**Original Color**  
76, 64.894, 145.690



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
70, 25.040, 149.731

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 64.894, 145.690 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(91, 211, 117)` looks like.

```
.text, #text, p{  
    color:rgb(91, 211, 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(91, 211, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 211, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 64.894, 145.690 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(91, 211, 117) }
```

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

```
.border{ border-color:rgb(91, 211, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 211, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 211, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 211, 117);  
box-shadow:4px 4px 4px 4px rgb(91, 211,  
117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 64.894, 145.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 211, 117) }
```

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

```
.background{ background-color: rgb(91, 211,  
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](#).

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