

Converting Colors

CIELCh(75, 88.823, 148.587)

Have a look what the booklet for
CIELCh(75, 88.823, 148.587)
contains.

CIELCh(76, 84.085, 145.760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 84.085, 145.760)

Conversions

Conversions Part 1

Format	Color
Hex	05D85E
RGB	5, 216, 94
RGB Percent	2%, 85%, 37%
CMY	0.9814, 0.1534, 0.6321
CMYK	0.98, 0.00, 0.57, 0.15
HSL	145°, 96%, 43%
HSV	145°, 98%, 85%
XYZ	26.5968, 49.8872, 18.7700
YIQ	139.0030, -86.5940, -82.6740

Conversions

Conversions Part 2

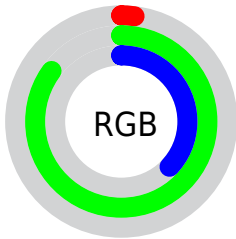
Format	Color
RYB	5, 153, 216
Decimal	383070
CIELab	76.00, -69.51, 47.31
CIELCh	76, 84.085, 145.760
Yxy	49.8872, 0.2792, 0.5237
Android (android.graphics.Color)	4278573150 (0xFF05D85E)
YUV	139.0030, -22.1865, -117.5206
Hunter-Lab	70.6309, -56.3880, 33.6854

Details

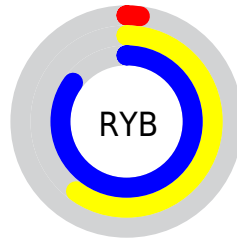
The CIELCh color **76, 84.085, 145.760** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **47, 76.117, 354.474**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 74.041, 147.383**, and **57, 76.203, 140.171** is the 20% darker color. If you saturate the color by 10%, you get **76, 85.199, 145.297**, and if you desaturate by 10%, it is **76, 78.694, 147.941**.

Distribution



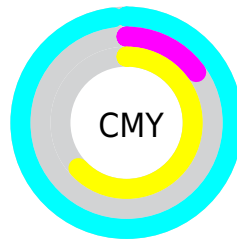
- Red (2%)
- Green (85%)
- Blue (37%)



- Red (2%)
- Yellow (60%)
- Blue (85%)



- Cyan (98%)
- Magenta (0%)
- Yellow (57%)
- Black (15%)





- Cyan (98%)
- Magenta (15%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 84.085, 145.760 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, 84.085, 145.760 by changing the saturation by 10% instead.

 76, 84.085,
145.760

 76, 84.085,
145.760


 100, 84.085,
145.760


 66, 84.085,
145.760


 96, 84.085,
145.760

 56, 84.085,
145.760

 46, 84.085,
145.760

 36, 84.085,
145.760

 26, 84.085,
145.760

 16, 84.085,
145.760

 6, 84.085, 145.760

■ 0, 84.085, 145.760

■ 76, 84.085,
145.760

■ 76, 84.085,
145.760

■ 76, 85.199,
145.297

■ 76, 78.694,
147.941

■ 77, 72.372,
149.980

■ 77, 65.083,
151.821

■ 78, 56.899,
153.453

■ 79, 47.952,
154.887

■ 80, 38.412,
156.144

■ 82, 28.461,
157.247

■ 83, 18.270,
158.223

■ 85, 7.991, 159.110

Harmonies

Complementary

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



76, 84.085, 145.760



47, 76.117, 354.474

Rectangle

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



76, 84.085, 145.760



76, 84.085, 195.760



76, 84.085, 325.760



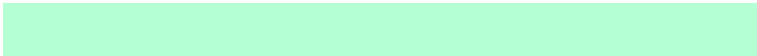
76, 84.085, 15.760

Sweetspot

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



76, 84.085, 145.760



94, 33.959, 157.093



78, 93.044, 124.941



50, 23.234, 156.627



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, 84.085, 145.760



88, 97.090, 145.071



78, 47.485, 184.551



44, 5.782, 158.969



61, 70.963, 145.684



14, 25.047, 150.775

Inverse Universe

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



47, 76.117, 354.474



55, 86.332, 355.542



45, 87.476, 36.345



42, 5.834, 340.352



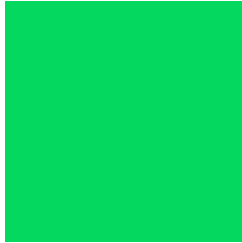
37, 64.212, 354.585



5, 24.470, 348.850

Previews

White Background



This preview shows how the CIELCh color 76, 84.085, 145.760 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, 84.085, 145.760 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, 84.085, 145.760

Background



This preview shows how black text looks on a background with the CIELCh color 76, 84.085, 145.760.

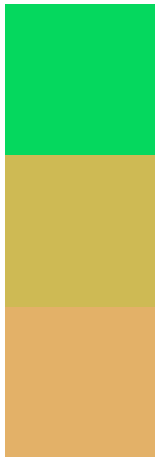


This preview shows how white text looks on a background with the CIELCh color 76, 84.085, 145.760.

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, 84.060, 145.785

Protanopia

75, 53.444, 95.677

Deuteranopia

75, 45.042, 77.466



Tritanopia
76, 33.398, 212.311

Trichromacy



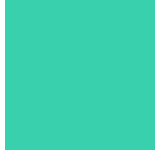
Original Color
76, 84.060, 145.785



Protanomaly
73, 61.698, 129.526



Deuteranomaly
72, 51.034, 126.672



Tritanomaly
75, 47.652, 172.579

Monochromacy



Original Color
76, 84.060, 145.785



Achromatopsia
58, 0.007, 296.813



Achromatomaly
63, 37.464, 155.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 84.085, 145.760 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(5, 216, 94)` looks like.

```
.text, #text, p{  
    color:rgb(5, 216, 94)  
}
```

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(5, 216, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 216, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 84.085, 145.760 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(5, 216, 94) }
```

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

```
.border{ border-color:rgb(5, 216, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 216, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 216, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 216, 94);  
box-shadow:4px 4px 4px 4px rgb(5, 216, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 76, 84.085, 145.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 216, 94) }
```

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

```
.background{ background-color: rgb(5, 216,  
94) }
```

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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