

Converting Colors

CIELCh(74, 77.821, 148.234)

Have a look what the booklet for
CIELCh(74, 77.821, 148.234)
contains.

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Color

CIELCh(74, 77.758, 148.241)

Conversions

Conversions Part 1

Format	Color
Hex	07D166
RGB	7, 209, 102
RGB Percent	3%, 82%, 40%
CMY	0.9725, 0.1796, 0.5993
CMYK	0.97, 0.00, 0.51, 0.18
HSL	148°, 94%, 42%
HSV	148°, 97%, 82%
XYZ	25.3426, 46.7039, 20.2945
YIQ	136.4040, -86.0450, -76.1010

Conversions

Conversions Part 2

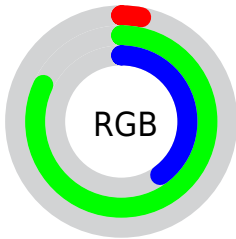
Format	Color
RYB	7, 144, 209
Decimal	512358
CIELab	74.00, -66.12, 40.93
CIELCh	74, 77.758, 148.241
Yxy	46.7039, 0.2744, 0.5058
Android (android.graphics.Color)	4278702438 (0xFF07D166)
YUV	136.4040, -16.9612, -113.4873
Hunter-Lab	68.3403, -53.4025, 30.2313

Details

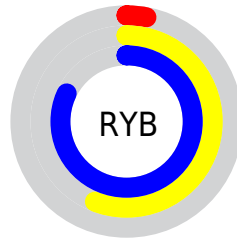
The CIELCh color **74, 77.758, 148.241** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **46, 73.048, 358.356**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 71.272, 149.610**, and **55, 70.156, 142.538** is the 20% darker color. If you saturate the color by 10%, you get **74, 79.347, 147.513**, and if you desaturate by 10%, it is **74, 72.687, 150.454**.

Distribution



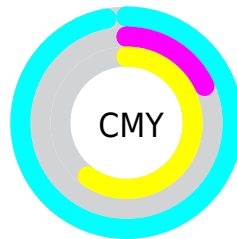
- Red (3%)
- Green (82%)
- Blue (40%)



- Red (3%)
- Yellow (56%)
- Blue (82%)



- Cyan (97%)
- Magenta (0%)
- Yellow (51%)
- Black (18%)





- Cyan (97%)
- Magenta (18%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 77.758, 148.241 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 74, 77.758, 148.241 by changing the saturation by 10% instead.

 74, 77.758,
148.241

 74, 77.758,
148.241


 100, 77.758,
148.241


 64, 77.758,
148.241


 94, 77.758,
148.241

 54, 77.758,
148.241

 44, 77.758,
148.241

 34, 77.758,
148.241

 24, 77.758,
148.241

 14, 77.758,
148.241

 4, 77.758, 148.241

■ 0, 77.758, 148.241

■ 74, 77.758,
148.241

■ 74, 77.758,
148.241

■ 74, 79.347,
147.513

■ 74, 72.687,
150.454

■ 75, 66.750,
152.492

■ 75, 59.917,
154.321

■ 76, 52.252,
155.941

■ 77, 43.874,
157.367

■ 78, 34.939,
158.621

■ 79, 25.613,
159.730

■ 81, 16.054,
160.720

■ 83, 6.402, 161.634

Harmonies

Complementary

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



74, 77.758, 148.241



46, 73.048, 358.356

Rectangle

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



74, 77.758, 148.241



74, 77.758, 198.241



74, 77.758, 328.241



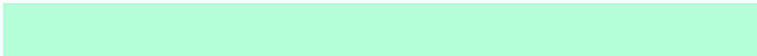
74, 77.758, 18.241

Sweetspot

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



74, 77.758, 148.241



94, 32.678, 159.445



76, 91.965, 126.670



50, 22.345, 158.968



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 77.758, 148.241



88, 92.674, 147.231



76, 44.095, 191.515



43, 5.468, 161.382



61, 66.953, 147.890



13, 22.954, 153.380

Inverse Universe

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



46, 73.048, 358.356



55, 85.071, 0.111



44, 86.967, 38.054



41, 5.529, 342.823



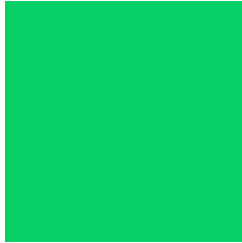
36, 62.508, 358.941



5, 22.126, 352.030

Previews

White Background



This preview shows how the CIELCh color 74, 77.758, 148.241 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 74, 77.758, 148.241 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 74, 77.758, 148.241

Background



This preview shows how black text looks on a background with the CIELCh color 74, 77.758, 148.241.

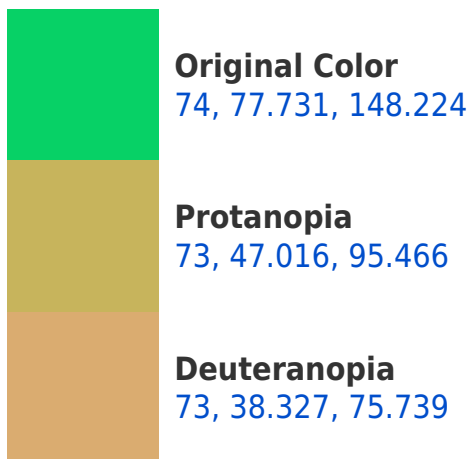


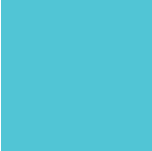
This preview shows how white text looks on a background with the CIELCh color 74, 77.758, 148.241.

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



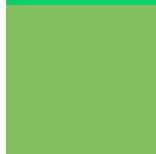


Tritanopia
74, 32.878, 212.638

Trichromacy



Original Color
74, 77.731, 148.224



Protanomaly
71, 55.595, 131.821



Deuteranomaly
71, 45.231, 129.778



Tritanomaly
73, 44.635, 176.113

Monochromacy



Original Color
74, 77.731, 148.224



Achromatopsia
57, 0.007, 296.813



Achromatomaly
62, 34.663, 157.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 77.758, 148.241 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(7, 209, 102)` looks like.

```
.text, #text, p{  
    color:rgb(7, 209, 102)  
}
```

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(7, 209, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 209, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 77.758, 148.241 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(7, 209, 102) }
```

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

```
.border{ border-color:rgb(7, 209, 102) }
```

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

Here you see how a box with a 4 pixel rgb(7, 209, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 209, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 209, 102);  
box-shadow:4px 4px 4px 4px rgb(7, 209,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 77.758, 148.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 209, 102) }
```

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

```
.background{ background-color: rgb(7, 209,  
102) }
```

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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