

Converting Colors

CIELCh(76, 80.559, 147.635)

Have a look what the booklet for
CIELCh(76, 80.559, 147.635)
contains.

CIELCh(76, 80.683, 147.642)	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, 80.683, 147.642)

Conversions

Conversions Part 1

Format	Color
Hex	05D867
RGB	5, 216, 103
RGB Percent	2%, 85%, 40%
CMY	0.9817, 0.1547, 0.5976
CMYK	0.98, 0.00, 0.52, 0.15
HSL	148°, 96%, 43%
HSV	148°, 98%, 85%
XYZ	26.9294, 49.8872, 20.9374
YIQ	140.0290, -89.4830, -79.8750

Conversions

Conversions Part 2

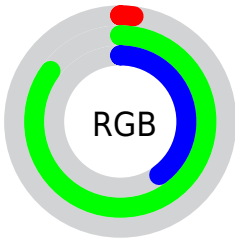
Format	Color
RYB	5, 149, 216
Decimal	383079
CIELab	76.00, -68.15, 43.18
CIELCh	76, 80.683, 147.642
Yxy	49.8872, 0.2755, 0.5103
Android (android.graphics.Color)	4278573159 (0xFF05D867)
YUV	140.0290, -18.2553, -118.4204
Hunter-Lab	70.6309, -55.5475, 31.8661

Details

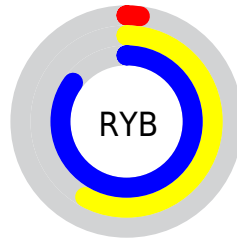
The CIELCh color **76, 80.683, 147.642** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 74.943, 358.303**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 70.573, 149.645**, and **57, 72.630, 142.255** is the 20% darker color. If you saturate the color by 10%, you get **76, 81.732, 147.176**, and if you desaturate by 10%, it is **76, 75.548, 149.866**.

Distribution



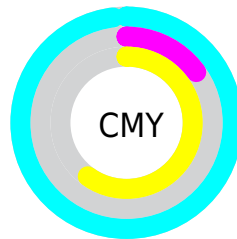
- Red (2%)
- Green (85%)
- Blue (40%)



- Red (2%)
- Yellow (58%)
- Blue (85%)



- Cyan (98%)
- Magenta (0%)
- Yellow (52%)
- Black (15%)





- Cyan (98%)
- Magenta (15%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 80.683, 147.642 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, 80.683, 147.642 by changing the saturation by 10% instead.


 76, 80.683,
147.642


 76, 80.683,
147.642


 100, 80.683,
147.642


 66, 80.683,
147.642


 96, 80.683,
147.642

 56, 80.683,
147.642

 46, 80.683,
147.642

 36, 80.683,
147.642

 26, 80.683,
147.642

 16, 80.683,
147.642

 6, 80.683, 147.642

■ 0, 80.683, 147.642

■ 76, 80.683,
147.642

■ 76, 80.683,
147.642

■ 76, 81.732,
147.176

■ 76, 75.548,
149.866

■ 77, 69.540,
151.931

■ 77, 62.608,
153.790

■ 78, 54.804,
155.438

■ 79, 46.249,
156.888

■ 80, 37.102,
158.164

■ 81, 27.534,
159.288

■ 83, 17.710,
160.289

■ 85, 7.777, 161.205

Harmonies

Complementary

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



76, 80.683, 147.642



47, 74.943, 358.303

Rectangle

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



76, 80.683, 147.642



76, 80.683, 197.642



76, 80.683, 327.642



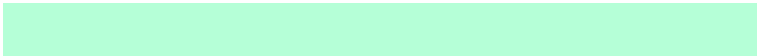
76, 80.683, 17.642

Sweetspot

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



76, 80.683, 147.642



94, 32.839, 159.135



78, 93.980, 126.222



50, 22.457, 158.659



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, 80.683, 147.642



88, 93.247, 146.941



78, 45.876, 189.077



44, 5.603, 161.062



61, 68.159, 147.569



14, 24.130, 152.637

Inverse Universe

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



47, 74.943, 358.303



55, 85.197, 359.516



45, 88.977, 37.812



42, 5.665, 342.500



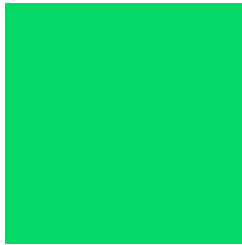
37, 63.303, 358.416



5, 23.918, 351.837

Previews

White Background



This preview shows how the CIELCh color 76, 80.683, 147.642 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, 80.683, 147.642 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, 80.683, 147.642

Background



This preview shows how black text looks on a background with the CIELCh color 76, 80.683, 147.642.

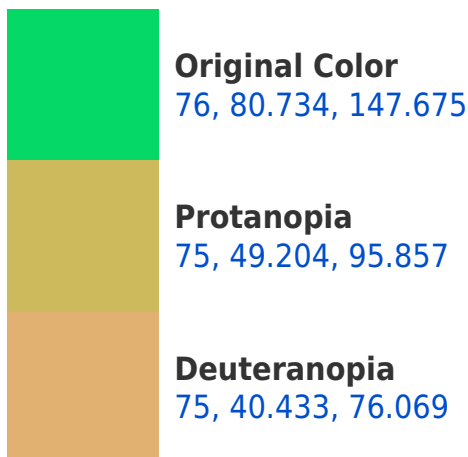


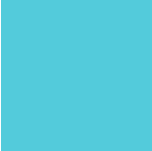
This preview shows how white text looks on a background with the CIELCh color 76, 80.683, 147.642.

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
76, 33.730, 212.138

Trichromacy



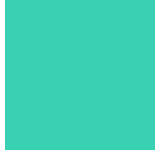
Original Color
76, 80.734, 147.675



Protanomaly
73, 58.483, 131.467



Deuteranomaly
72, 47.061, 129.192



Tritanomaly
76, 46.554, 174.925

Monochromacy



Original Color
76, 80.734, 147.675



Achromatopsia
58, 0.007, 296.813



Achromatomaly
63, 36.041, 157.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 80.683, 147.642 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(5, 216, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 216, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 80.683, 147.642 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, 103) }
```

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

```
.border{ border-color:rgb(5, 216, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 216, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 216, 103);  
box-shadow:4px 4px 4px 4px rgb(5, 216,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 80.683, 147.642 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, 103) }
```

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

```
.background{ background-color: rgb(5, 216,  
103) }
```

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