

Converting Colors

CIELCh(77, 85.573, 145.591)

Have a look what the booklet for
CIELCh(77, 85.573, 145.591)
contains.

CIELCh(77, 85.548, 145.575)	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(77, 85.548, 145.575)

Conversions

Conversions Part 1

Format	Color
Hex	02DB5E
RGB	2, 219, 94
RGB Percent	1%, 86%, 37%
CMY	0.9940, 0.1408, 0.6310
CMYK	0.99, 0.00, 0.57, 0.14
HSL	146°, 99%, 43%
HSV	146°, 99%, 86%
XYZ	27.3993, 51.5317, 19.1125
YIQ	139.8670, -89.2070, -84.8790

Conversions

Conversions Part 2

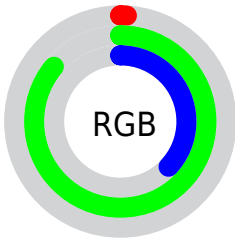
Format	Color
RYB	2, 154, 219
Decimal	187230
CIELab	77.00, -70.57, 48.36
CIELCh	77, 85.548, 145.575
Yxy	51.5317, 0.2795, 0.5256
Android (android.graphics.Color)	4278377310 (0xFF02DB5E)
YUV	139.8670, -22.6124, -120.9094
Hunter-Lab	71.7856, -57.4945, 34.4643

Details

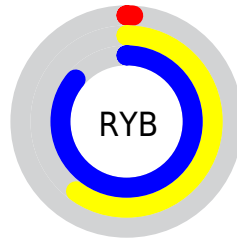
The CIELCh color **77, 85.548, 145.575** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **48, 76.940, 355.321**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 73.885, 147.266**, and **58, 77.543, 140.013** is the 20% darker color. If you saturate the color by 10%, you get **77, 85.900, 145.430**, and if you desaturate by 10%, it is **77, 80.226, 147.761**.

Distribution



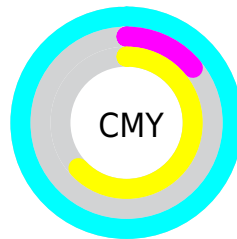
- Red (1%)
- Green (86%)
- Blue (37%)



- Red (1%)
- Yellow (60%)
- Blue (86%)



- Cyan (99%)
- Magenta (0%)
- Yellow (57%)
- Black (14%)





- Cyan (99%)
- Magenta (14%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 85.548, 145.575 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 77, 85.548, 145.575 by changing the saturation by 10% instead.


 77, 85.548,
145.575


 77, 85.548,
145.575


 100, 85.548,
145.575


 67, 85.548,
145.575


 97, 85.548,
145.575

 57, 85.548,
145.575

 47, 85.548,
145.575

 37, 85.548,
145.575

 27, 85.548,
145.575

 17, 85.548,
145.575

 7, 85.548, 145.575

■ 0, 85.548, 145.575

■ 77, 85.548,
145.575

■ 77, 85.548,
145.575

■ 77, 85.900,
145.430

■ 77, 80.226,
147.761

■ 78, 74.008,
149.834

■ 78, 66.811,
151.710

■ 79, 58.693,
153.378

■ 80, 49.781,
154.844

■ 81, 40.240,
156.130

■ 82, 30.254,
157.258

■ 84, 19.999,
158.255

■ 86, 9.630, 159.153

Harmonies

Complementary

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



77, 85.548, 145.575



48, 76.940, 355.321

Rectangle

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



77, 85.548, 145.575



77, 85.548, 195.575



77, 85.548, 325.575



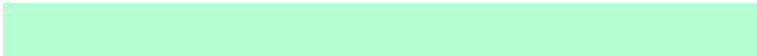
77, 85.548, 15.575

Sweetspot

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



77, 85.548, 145.575



94, 35.007, 157.157



79, 94.573, 125.123



50, 23.809, 156.689



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 85.548, 145.575



88, 96.763, 145.225



79, 48.174, 184.388



45, 5.879, 159.142



62, 71.546, 145.813



15, 26.048, 150.516

Inverse Universe

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



48, 76.940, 355.321



55, 86.216, 355.878



46, 89.392, 36.896



43, 5.933, 340.535



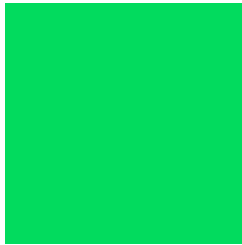
38, 64.816, 354.951



6, 25.969, 349.185

Previews

White Background



This preview shows how the CIELCh color 77, 85.548, 145.575 looks on a white background.

Color Contrast Check

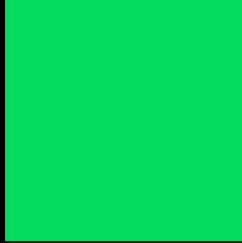
Large Text (above 18pt) WCAG AA × Fail

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 77, 85.548, 145.575 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 77, 85.548, 145.575

Background



This preview shows how black text looks on a background with the CIELCh color 77, 85.548, 145.575.

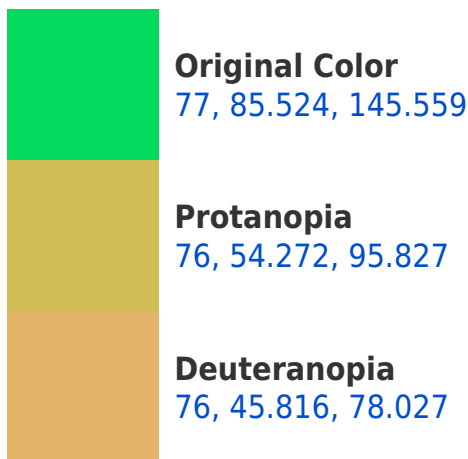


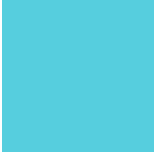
This preview shows how white text looks on a background with the CIELCh color 77, 85.548, 145.575.

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
77, 33.824, 212.067

Trichromacy



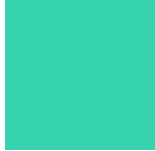
Original Color
77, 85.524, 145.559



Protanomaly
74, 63.179, 129.568



Deuteranomaly
73, 52.135, 127.046



Tritanomaly
76, 48.562, 172.389

Monochromacy



Original Color
77, 85.524, 145.559



Achromatopsia
58, 0.007, 296.813



Achromatomaly
63, 38.660, 154.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 85.548, 145.575 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(2, 219, 94)` looks like.

```
.text, #text, p{  
    color:rgb(2, 219, 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(2, 219, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 219, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 85.548, 145.575 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(2, 219, 94) }
```

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

```
.border{ border-color:rgb(2, 219, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 219, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 219, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 219, 94);  
box-shadow:4px 4px 4px 4px rgb(2, 219, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 77, 85.548, 145.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 219, 94) }
```

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

```
.background{ background-color: rgb(2, 219,  
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](#).

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