

Converting Colors

CIELCh(75, 91.898, 141.702)

Have a look what the booklet for
CIELCh(75, 91.898, 141.702)
contains.

CIELCh(75, 91.860, 141.639)	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(75, 91.860, 141.639)

Conversions

Conversions Part 1

Format	Color
Hex	00D645
RGB	0, 214, 69
RGB Percent	0%, 84%, 27%
CMY	1.0000, 0.1625, 0.7311
CMYK	1.00, 0.00, 0.68, 0.16
HSL	139°, 100%, 42%
HSV	139°, 100%, 84%
XYZ	24.9657, 48.2781, 13.5643
YIQ	133.4840, -80.9990, -90.4630

Conversions

Conversions Part 2

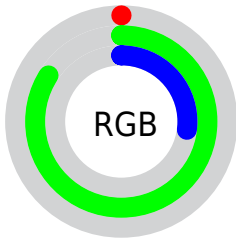
Format	Color
RYB	0, 162, 214
Decimal	54853
CIELab	75.00, -72.03, 57.01
CIELCh	75, 91.860, 141.639
Yxy	48.2781, 0.2876, 0.5561
Android (android.graphics.Color)	4278244933 (0xFF00D645)
YUV	133.4840, -31.7906, -117.0655
Hunter-Lab	69.4824, -57.4576, 37.0632

Details

The CIELCh color **75, 91.860, 141.639** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **47, 79.548, 346.709**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 82.839, 142.461**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 91.801, 141.600**, and if you desaturate by 10%, it is **75, 86.331, 143.573**.

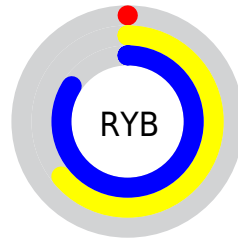
Distribution



Red (0%)

Green (84%)

Blue (27%)



Red (0%)

Yellow (64%)

Blue (84%)

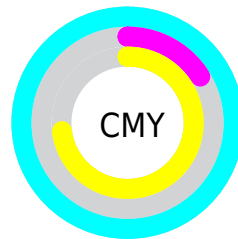


Cyan (100%)

Magenta (0%)

Yellow (68%)

Black (16%)



Cyan (100%)


Magenta (16%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 91.860, 141.639 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 75, 91.860, 141.639 by changing the saturation by 10% instead.


 75, 91.860,
141.639


 75, 91.860,
141.639


 100, 91.860,
141.639


 65, 91.860,
141.639


 95, 91.860,
141.639

 55, 91.860,
141.639

 45, 91.860,
141.639

 35, 91.860,
141.639

 25, 91.860,
141.639

 15, 91.860,
141.639

 5, 91.860, 141.639

■ 0, 91.860, 141.639

■ 75, 91.860,
141.639

■ 75, 91.860,
141.639

■ 75, 91.801,
141.600

■ 75, 86.331,
143.573

■ 76, 79.767,
145.522

■ 76, 72.073,
147.322

■ 77, 63.359,
148.937

■ 78, 53.789,
150.362

■ 79, 43.564,
151.605

■ 80, 32.891,
152.687

■ 82, 21.965,
153.632

■ 84, 10.953,
154.467

Harmonies

Complementary

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



75, 91.860, 141.639



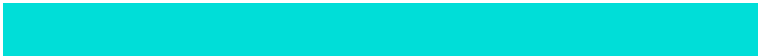
47, 79.548, 346.709

Rectangle

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



75, 91.860, 141.639



75, 91.860, 191.639



75, 91.860, 321.639



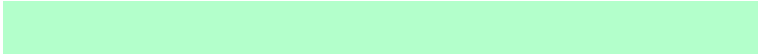
75, 91.860, 11.639

Sweetspot

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



75, 91.801, 141.600



94, 37.977, 152.657



78, 89.956, 120.818



49, 25.851, 152.212



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 91.801, 141.600



88, 105.473, 141.381



77, 53.364, 172.382



44, 6.229, 154.513



61, 77.143, 141.935



14, 27.025, 147.373

Inverse Universe

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



47, 79.548, 346.709



56, 90.761, 346.962



45, 82.619, 31.233



42, 6.265, 335.775



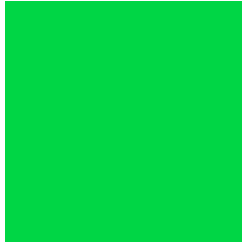
38, 67.562, 346.332



6, 26.082, 342.326

Previews

White Background



This preview shows how the CIE LCh color 75, 91.860, 141.639 looks on a white background.

Color Contrast Check

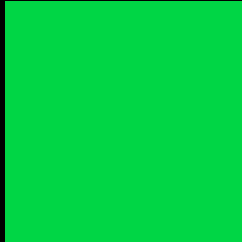
Large Text (above 18pt) WCAG AA × Fail

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 75, 91.860, 141.639 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 75, 91.860, 141.639

Background



This preview shows how black text looks on a background with the CIELCh color 75, 91.860, 141.639.

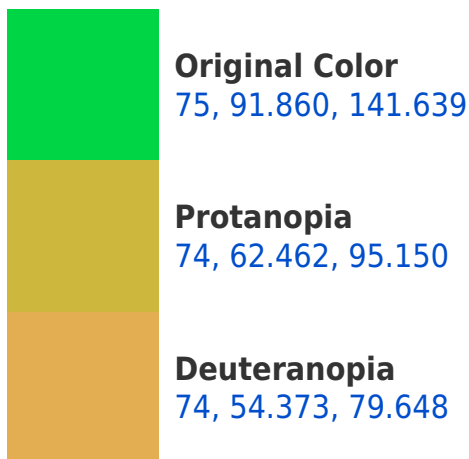


This preview shows how white text looks on a background with the CIELCh color 75, 91.860, 141.639.

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
75, 32.454, 212.846

Trichromacy



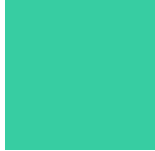
Original Color
75, 91.860, 141.639



Protanomaly
72, 70.357, 125.911



Deuteranomaly
71, 59.763, 122.601



Tritanomaly
74, 49.904, 168.020

Monochromacy



Original Color
75, 91.860, 141.639



Achromatopsia
56, 0.007, 296.813



Achromatomaly
61, 40.916, 150.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 91.860, 141.639 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(0, 214, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 69)  
}
```

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(0, 214, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 91.860, 141.639 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(0, 214, 69) }
```

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

```
.border{ border-color:rgb(0, 214, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 91.860, 141.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 69) }
```

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

```
.background{ background-color: rgb(0, 214,  
69) }
```

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