

Converting Colors

CIELCh(75, 92.326, 141.449)

Have a look what the booklet for
CIELCh(75, 92.326, 141.449)
contains.

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Color

CIELCh(75, 92.489, 141.342)

Conversions

Conversions Part 1

Format	Color
Hex	00D643
RGB	0, 214, 67
RGB Percent	0%, 84%, 26%
CMY	1.0000, 0.1623, 0.7388
CMYK	1.00, 0.00, 0.69, 0.16
HSL	139°, 100%, 42%
HSV	139°, 100%, 84%
XYZ	24.9202, 48.2781, 13.2548
YIQ	133.2560, -80.3570, -91.0850

Conversions

Conversions Part 2

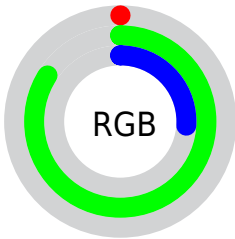
Format	Color
RYB	0, 163, 214
Decimal	54851
CIELab	75.00, -72.22, 57.78
CIELCh	75, 92.489, 141.342
Yxy	48.2781, 0.2883, 0.5584
Android (android.graphics.Color)	4278244931 (0xFF00D643)
YUV	133.2560, -32.6642, -116.8655
Hunter-Lab	69.4824, -57.5746, 37.3273

Details

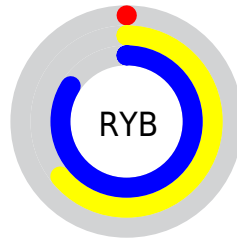
The CIELCh color **75, 92.489, 141.342** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **47, 80.012, 345.996**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 83.591, 142.085**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 92.436, 141.306**, and if you desaturate by 10%, it is **75, 86.964, 143.255**.

Distribution



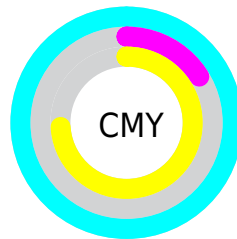
- Red (0%)
- Green (84%)
- Blue (26%)



- Red (0%)
- Yellow (64%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 92.489, 141.342 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, 92.489, 141.342 by changing the saturation by 10% instead.


 75, 92.489,
141.342


 75, 92.489,
141.342


 100, 92.489,
141.342


 65, 92.489,
141.342


 95, 92.489,
141.342

 55, 92.489,
141.342

 45, 92.489,
141.342

 35, 92.489,
141.342

 25, 92.489,
141.342

 15, 92.489,
141.342

 5, 92.489, 141.342

■ 0, 92.489, 141.342

■ 75, 92.489,
141.342

■ 75, 92.489,
141.342

■ 75, 92.436,
141.306

■ 75, 86.964,
143.255

■ 76, 80.369,
145.188

■ 76, 72.623,
146.977

■ 77, 63.841,
148.585

■ 78, 54.195,
150.004

■ 79, 43.888,
151.243

■ 80, 33.132,
152.320

■ 82, 22.122,
153.259

■ 84, 11.030,
154.089

Harmonies

Complementary

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



75, 92.489, 141.342



47, 80.012, 345.996

Rectangle

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



75, 92.489, 141.342



75, 92.489, 191.342



75, 92.489, 321.342



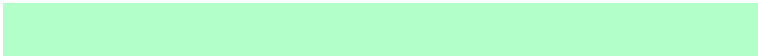
75, 92.489, 11.342

Sweetspot

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



75, 92.436, 141.306



94, 38.248, 152.290



79, 89.503, 120.018



49, 26.038, 151.847



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, 92.436, 141.306



88, 106.179, 141.092



77, 54.526, 170.651



44, 6.272, 154.135



61, 77.670, 141.638



14, 27.192, 147.118

Inverse Universe

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



47, 80.012, 345.996



56, 91.277, 346.238



45, 81.716, 30.025



42, 6.306, 335.386



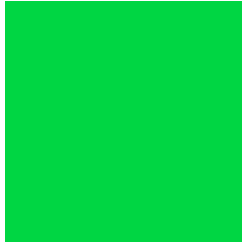
38, 67.945, 345.636



6, 26.248, 341.780

Previews

White Background



This preview shows how the CIELCh color 75, 92.489, 141.342 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, 92.489, 141.342 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, 92.489, 141.342

Background



This preview shows how black text looks on a background with the CIELCh color 75, 92.489, 141.342.

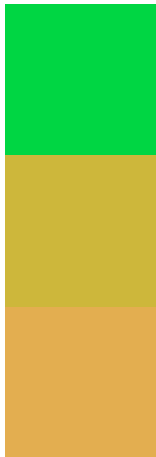


This preview shows how white text looks on a background with the CIELCh color 75, 92.489, 141.342.

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

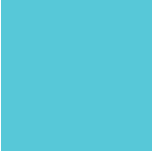
75, 92.489, 141.342

Protanopia

74, 62.842, 95.164

Deuteranopia

74, 55.238, 79.943



Tritanopia
75, 32.454, 212.846

Trichromacy



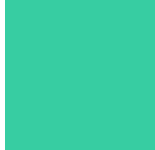
Original Color
75, 92.489, 141.342



Protanomaly
72, 70.714, 125.776



Deuteranomaly
71, 60.594, 122.296



Tritanomaly
74, 49.904, 168.020

Monochromacy



Original Color
75, 92.489, 141.342



Achromatopsia
56, 0.007, 296.813



Achromatomaly
61, 41.338, 150.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 92.489, 141.342 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 92.489, 141.342 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, 67) }
```

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

```
.border{ border-color:rgb(0, 214, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 92.489, 141.342 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, 67) }
```

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

```
.background{ background-color: rgb(0, 214,  
67) }
```

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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