

Converting Colors

CIELCh(75, 88.377, 146.238)

Have a look what the booklet for
CIELCh(75, 88.377, 146.238)
contains.

CIELCh(75, 85.782, 144.685)	3
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Color

CIELCh(75, 85.782, 144.685)

Conversions

Conversions Part 1

Format	Color
Hex	00D556
RGB	0, 213, 86
RGB Percent	0%, 84%, 34%
CMY	1.0000, 0.1643, 0.6621
CMYK	1.00, 0.00, 0.60, 0.16
HSL	144°, 100%, 42%
HSV	144°, 100%, 84%
XYZ	25.4440, 48.2781, 16.8179
YIQ	134.8350, -86.1810, -84.6530

Conversions

Conversions Part 2

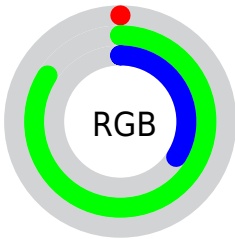
Format	Color
RYB	0, 152, 213
Decimal	54614
CIELab	75.00, -70.00, 49.59
CIELCh	75, 85.782, 144.685
Yxy	48.2781, 0.2810, 0.5332
Android (android.graphics.Color)	4278244694 (0xFF00D556)
YUV	134.8350, -24.0757, -118.2503
Hunter-Lab	69.4824, -56.2289, 34.2868

Details

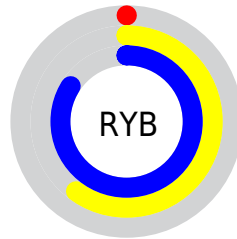
The CIELCh color **75, 85.782, 144.685** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **47, 76.049, 353.609**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 77.275, 145.655**, and **56, 77.857, 138.861** is the 20% darker color. If you saturate the color by 10%, you get **75, 85.661, 144.605**, and if you desaturate by 10%, it is **75, 80.388, 146.748**.

Distribution



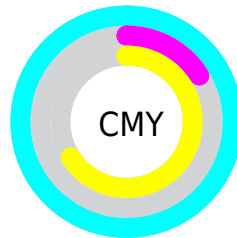
- Red (0%)
- Green (84%)
- Blue (34%)



- Red (0%)
- Yellow (60%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 85.782, 144.685 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, 85.782, 144.685 by changing the saturation by 10% instead.


 75, 85.782,
144.685

 75, 85.782,
144.685


 100, 85.782,
144.685


 65, 85.782,
144.685


 95, 85.782,
144.685

 55, 85.782,
144.685

 45, 85.782,
144.685

 35, 85.782,
144.685

 25, 85.782,
144.685

 15, 85.782,
144.685

 5, 85.782, 144.685

■ 0, 85.782, 144.685

■ 75, 85.782,
144.685

■ 75, 85.782,
144.685

■ 75, 85.661,
144.605

■ 75, 80.388,
146.748

■ 76, 74.230,
148.808

■ 76, 67.091,
150.681

■ 77, 59.031,
152.348

■ 78, 50.177,
153.815

■ 79, 40.697,
155.099

■ 80, 30.773,
156.224

■ 82, 20.581,
157.215

■ 83, 10.278,
158.103

Harmonies

Complementary

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



75, 85.782, 144.685



47, 76.049, 353.609

Rectangle

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



75, 85.782, 144.685



75, 85.782, 194.685



75, 85.782, 324.685



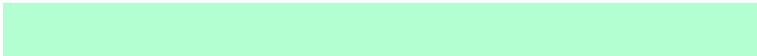
75, 85.782, 14.685

Sweetspot

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



75, 85.661, 144.605



94, 35.592, 156.192



77, 92.293, 124.500



50, 24.212, 155.729



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, 85.661, 144.605



88, 98.614, 144.362



77, 48.124, 182.151



44, 5.856, 158.152



61, 72.080, 144.968



14, 25.409, 150.096

Inverse Universe

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



47, 76.049, 353.609



56, 86.930, 353.974



45, 87.040, 36.270



42, 5.905, 339.514



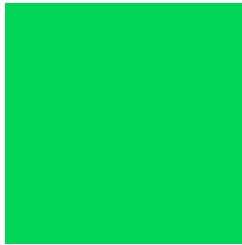
37, 64.676, 353.076



5, 24.720, 347.646

Previews

White Background



This preview shows how the CIELCh color 75, 85.782, 144.685 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, 85.782, 144.685 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, 85.782, 144.685

Background



This preview shows how black text looks on a background with the CIELCh color 75, 85.782, 144.685.

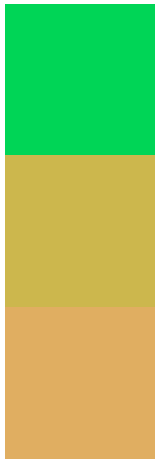


This preview shows how white text looks on a background with the CIELCh color 75, 85.782, 144.685.

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](#).

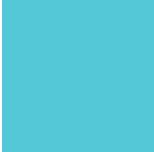
Dichromacy



Original Color
75, 85.679, 144.580

Protanopia
74, 55.378, 95.236

Deuteranopia
74, 47.012, 78.259



Tritanopia
75, 32.800, 212.655

Trichromacy



Original Color
75, 85.679, 144.580



Protanomaly
72, 63.841, 128.572



Deuteranomaly
71, 52.946, 125.807



Tritanomaly
74, 47.727, 171.808

Monochromacy



Original Color
75, 85.679, 144.580



Achromatopsia
56, 0.007, 296.813



Achromatomaly
61, 38.389, 154.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 85.782, 144.685 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, 213, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 86)  
}
```

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, 213, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 85.782, 144.685 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, 213, 86) }
```

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

```
.border{ border-color:rgb(0, 213, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 213, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 85.782, 144.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 86) }
```

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

```
.background{ background-color: rgb(0, 213,  
86) }
```

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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