

Converting Colors

CIELCh(75, 88.171, 142.709)

Have a look what the booklet for
CIELCh(75, 88.171, 142.709)
contains.

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Color

CIELCh(75, 88.301, 142.640)

Conversions

Conversions Part 1

Format	Color
Hex	12D54D
RGB	18, 213, 77
RGB Percent	7%, 84%, 30%
CMY	0.9287, 0.1645, 0.6979
CMYK	0.91, 0.00, 0.64, 0.16
HSL	138°, 84%, 45%
HSV	138°, 91%, 84%
XYZ	25.3994, 48.2781, 15.0087
YIQ	139.1910, -72.5640, -83.6360

Conversions

Conversions Part 2

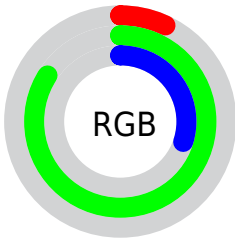
Format	Color
RYB	18, 168, 213
Decimal	1234253
CIELab	75.00, -70.19, 53.58
CIELCh	75, 88.301, 142.640
Yxy	48.2781, 0.2864, 0.5444
Android (android.graphics.Color)	4279424333 (0xFF12D54D)
YUV	139.1910, -30.6602, -106.2845
Hunter-Lab	69.4824, -56.3433, 35.8307

Details

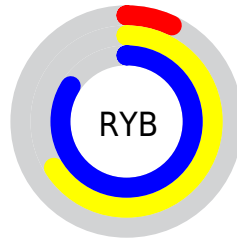
The CIELCh color **75, 88.301, 142.640** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **48, 79.902, 343.615**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 79.730, 143.487**, and **56, 81.093, 137.157** is the 20% darker color. If you saturate the color by 10%, you get **75, 92.890, 141.009**, and if you desaturate by 10%, it is **75, 81.868, 144.569**.

Distribution



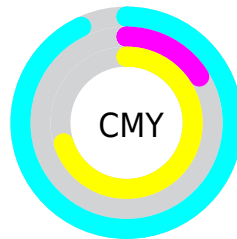
- Red (7%)
- Green (84%)
- Blue (30%)



- Red (7%)
- Yellow (66%)
- Blue (84%)



- Cyan (91%)
- Magenta (0%)
- Yellow (64%)
- Black (16%)





- Cyan (93%)
- Magenta (16%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 88.301, 142.640 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, 88.301, 142.640 by changing the saturation by 10% instead.


 75, 88.301,
142.640

 75, 88.301,
142.640


 100, 88.301,
142.640


 65, 88.301,
142.640


 95, 88.301,
142.640

 55, 88.301,
142.640

 45, 88.301,
142.640

 35, 88.301,
142.640

 25, 88.301,
142.640

 15, 88.301,
142.640

 5, 88.301, 142.640

■ 0, 88.301, 142.640

■ 75, 88.301,
142.640

■ 75, 88.301,
142.640

■ 75, 92.890,
141.009

■ 75, 81.868,
144.569

■ 76, 74.250,
146.369

■ 77, 65.561,
147.997

■ 77, 55.972,
149.437

■ 79, 45.687,
150.695

■ 80, 34.920,
151.790

■ 81, 23.873,
152.742

■ 83, 12.723,
153.580

■ 85, 1.613, 154.493

Harmonies

Complementary

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



75, 88.301, 142.640



48, 79.902, 343.615

Rectangle

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



75, 88.301, 142.640



75, 88.301, 192.640



75, 88.301, 322.640



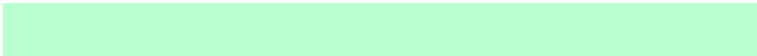
75, 88.301, 12.640

Sweetspot

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



75, 88.301, 142.640



95, 34.717, 152.205



79, 86.893, 119.191



50, 23.366, 151.865



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, 88.301, 142.640



88, 106.912, 140.794



77, 52.679, 172.210



44, 6.318, 153.741



61, 78.218, 141.332



14, 27.365, 146.857

Inverse Universe

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



48, 79.902, 343.615



57, 91.841, 345.484



45, 76.837, 25.543



42, 6.350, 334.981



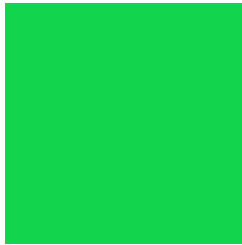
38, 68.362, 344.911



6, 26.427, 341.213

Previews

White Background



This preview shows how the CIE LCh color 75, 88.301, 142.640 looks on a white background.

Color Contrast Check

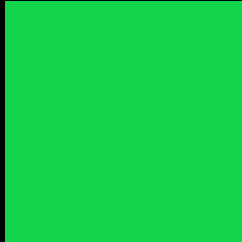
Large Text (above 18pt) WCAG AA × Fail

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, 88.301, 142.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

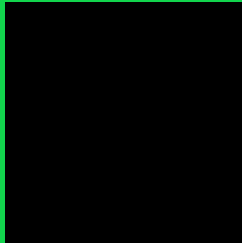
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 88.301, 142.640

Background



This preview shows how black text looks on a background with the CIELCh color 75, 88.301, 142.640.

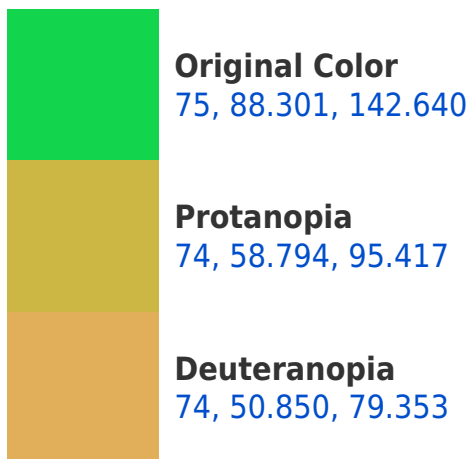


This preview shows how white text looks on a background with the CIELCh color 75, 88.301, 142.640.

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



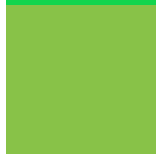


Tritanopia
75, 32.285, 213.976

Trichromacy



Original Color
75, 88.301, 142.640



Protanomaly
72, 66.083, 125.499



Deuteranomaly
72, 55.549, 121.643



Tritanomaly
74, 47.505, 169.543

Monochromacy



Original Color
75, 88.301, 142.640



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 38.628, 150.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 88.301, 142.640 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(18, 213, 77)` looks like.

```
.text, #text, p{  
    color:rgb(18, 213, 77)  
}
```

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(18, 213, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 213, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 88.301, 142.640 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(18, 213, 77) }
```

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

```
.border{ border-color:rgb(18, 213, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 213, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 213, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 213, 77);  
box-shadow:4px 4px 4px 4px rgb(18, 213,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 88.301, 142.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 213, 77) }
```

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

```
.background{ background-color: rgb(18, 213,  
77) }
```

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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