

Converting Colors

CIELCh(75, 89.777, 142.677)

Have a look what the booklet for
CIELCh(75, 89.777, 142.677)
contains.

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Color

CIELCh(75, 89.468, 142.643)

Conversions

Conversions Part 1

Format	Color
Hex	02D54B
RGB	2, 213, 75
RGB Percent	1%, 84%, 29%
CMY	0.9931, 0.1634, 0.7047
CMYK	0.99, 0.00, 0.65, 0.16
HSL	141°, 98%, 42%
HSV	141°, 99%, 84%
XYZ	25.1799, 48.2781, 14.7038
YIQ	134.1790, -81.4580, -87.6500

Conversions

Conversions Part 2

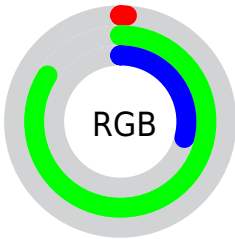
Format	Color
RYB	2, 159, 213
Decimal	185675
CIELab	75.00, -71.12, 54.29
CIELCh	75, 89.468, 142.643
Yxy	48.2781, 0.2856, 0.5476
Android (android.graphics.Color)	4278375755 (0xFF02D54B)
YUV	134.1790, -29.1752, -115.9210
Hunter-Lab	69.4824, -56.9072, 36.0908

Details

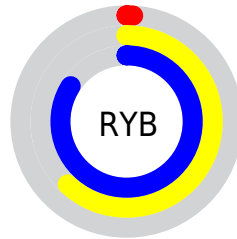
The CIELCh color **75, 89.468, 142.643** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **47, 78.240, 348.611**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 80.947, 143.436**, and **56, 81.714, 136.840** is the 20% darker color. If you saturate the color by 10%, you get **75, 89.895, 142.485**, and if you desaturate by 10%, it is **75, 83.961, 144.692**.

Distribution



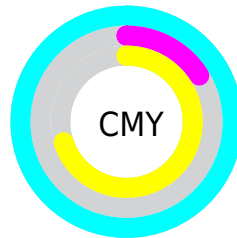
- Red (1%)
- Green (84%)
- Blue (29%)



- Red (1%)
- Yellow (62%)
- Blue (84%)



- Cyan (99%)
- Magenta (0%)
- Yellow (65%)
- Black (16%)





- Cyan (99%)
- Magenta (16%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 89.468, 142.643 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, 89.468, 142.643 by changing the saturation by 10% instead.


 75, 89.468,
142.643


 75, 89.468,
142.643


 100, 89.468,
142.643


 65, 89.468,
142.643

 95, 89.468,
142.643

 55, 89.468,
142.643

 45, 89.468,
142.643

 35, 89.468,
142.643

 25, 89.468,
142.643

 15, 89.468,
142.643

 5, 89.468, 142.643

■ 0, 89.468, 142.643

■ 75, 89.468,
142.643

■ 75, 89.468,
142.643

■ 75, 89.895,
142.485

■ 75, 83.961,
144.692

■ 76, 77.414,
146.671

■ 76, 69.799,
148.483

■ 77, 61.211,
150.101

■ 78, 51.807,
151.524

■ 79, 41.777,
152.767

■ 80, 31.318,
153.851

■ 82, 20.618,
154.799

■ 84, 9.837, 155.644

Harmonies

Complementary

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



75, 89.468, 142.643



47, 78.240, 348.611

Rectangle

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



75, 89.468, 142.643



75, 89.468, 192.643



75, 89.468, 322.643



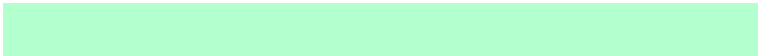
75, 89.468, 12.643

Sweetspot

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



75, 89.468, 142.643



94, 37.206, 153.735



78, 90.127, 121.511



49, 25.323, 153.285



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, 89.468, 142.643



88, 103.383, 142.257



77, 52.064, 174.321



44, 6.108, 155.624



61, 75.592, 142.830



14, 26.533, 148.152

Inverse Universe

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



47, 78.240, 348.611



56, 89.379, 349.098



45, 82.987, 31.997



42, 6.147, 336.916



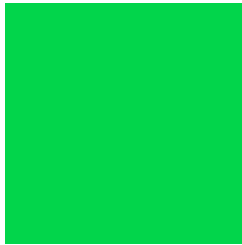
37, 66.531, 348.386



5, 25.622, 343.938

Previews

White Background



This preview shows how the CIELCh color 75, 89.468, 142.643 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, 89.468, 142.643 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, 89.468, 142.643

Background



This preview shows how black text looks on a background with the CIELCh color 75, 89.468, 142.643.

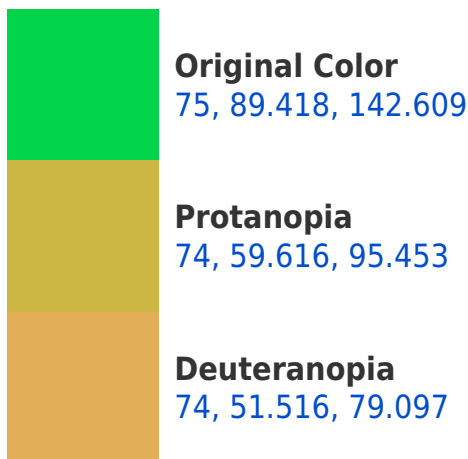


This preview shows how white text looks on a background with the CIELCh color 75, 89.468, 142.643.

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, 32.628, 212.750

Trichromacy



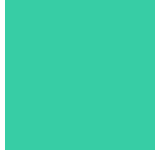
Original Color
75, 89.418, 142.609



Protanomaly
72, 67.770, 126.922



Deuteranomaly
71, 57.211, 123.575



Tritanomaly
74, 48.902, 169.579

Monochromacy



Original Color
75, 89.418, 142.609



Achromatopsia
56, 0.007, 296.813



Achromatomaly
61, 40.045, 152.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 89.468, 142.643 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, 213, 75)` looks like.

```
.text, #text, p{  
    color:rgb(2, 213, 75)  
}
```

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, 213, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 213, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 89.468, 142.643 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, 213, 75) }
```

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

```
.border{ border-color:rgb(2, 213, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 213, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 213, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 213, 75);  
box-shadow:4px 4px 4px 4px rgb(2, 213, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 89.468, 142.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 213, 75) }
```

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

```
.background{ background-color: rgb(2, 213,  
75) }
```

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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