

Converting Colors

CIELCh(75, 86.439, 127.726)

Have a look what the booklet for
CIELCh(75, 86.439, 127.726)
contains.

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Color

CIELCh(75, 86.613, 127.684)

Conversions

Conversions Part 1

Format	Color
Hex	74CF24
RGB	116, 207, 36
RGB Percent	45%, 81%, 14%
CMY	0.5465, 0.1895, 0.8605
CMYK	0.44, 0.00, 0.83, 0.19
HSL	92°, 71%, 47%
HSV	92°, 83%, 81%
XYZ	29.7001, 48.2781, 9.3867
YIQ	160.2970, 0.6550, -72.4730

Conversions

Conversions Part 2

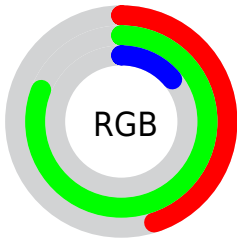
Format	Color
RYB	36, 207, 127
Decimal	7655204
CIELab	75.00, -52.95, 68.55
CIELCh	75, 86.613, 127.684
Yxy	48.2781, 0.3400, 0.5526
Android (android.graphics.Color)	4285845284 (0xFF74CF24)
YUV	160.2970, -61.2784, -38.8485
Hunter-Lab	69.4824, -45.2948, 40.6280

Details

The CIELCh color **75, 86.613, 127.684** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **38, 96.626, 313.368**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 81.614, 126.719**, and **55, 77.185, 131.815** is the 20% darker color. If you saturate the color by 10%, you get **74, 91.661, 128.429**, and if you desaturate by 10%, it is **76, 79.437, 127.406**.

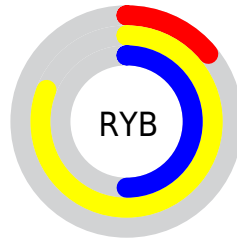
Distribution



Red (45%)

Green (81%)

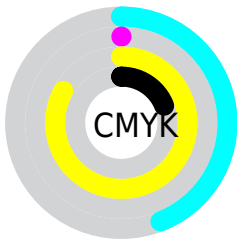
Blue (14%)



Red (14%)

Yellow (81%)

Blue (50%)

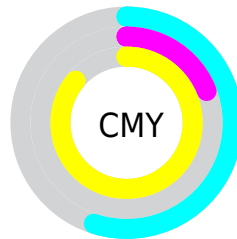


Cyan (44%)

Magenta (0%)

Yellow (83%)

Black (19%)



Cyan (55%)


Magenta (19%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 86.613, 127.684 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, 86.613, 127.684 by changing the saturation by 10% instead.


 75, 86.613,
127.684

 75, 86.613,
127.684


 100, 86.613,
127.684

 65, 86.613,
127.684


 95, 86.613,
127.684

 55, 86.613,
127.684

 45, 86.613,
127.684

 35, 86.613,
127.684

 25, 86.613,
127.684

 15, 86.613,
127.684

 5, 86.613, 127.684

■ 0, 86.613, 127.684

■ 75, 86.613,
127.684

■ 75, 86.613,
127.684

■ 74, 91.661,
128.429

■ 76, 79.437,
127.406

■ 74, 94.176,
129.183

■ 76, 70.558,
127.478

■ 77, 60.475,
127.774

■ 78, 49.610,
128.193

■ 79, 38.271,
128.667

■ 80, 26.672,
129.153

■ 81, 14.964,
129.626

■ 83, 3.252, 130.099

■ 84, 8.391, 310.449

Harmonies

Complementary

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



75, 86.613, 127.684



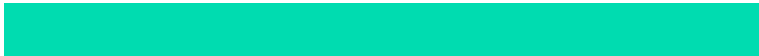
38, 96.626, 313.368

Rectangle

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



75, 86.613, 127.684



75, 86.613, 177.684



75, 86.613, 307.684



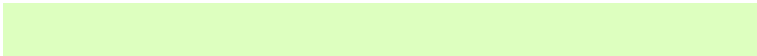
75, 86.613, 357.684

Sweetspot

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



75, 86.613, 127.685



96, 34.681, 129.031



60, 63.214, 65.869



51, 23.641, 128.858



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, 86.613, 127.685



90, 110.215, 129.266



73, 95.695, 137.145



43, 6.695, 129.782



61, 80.639, 128.949



14, 26.442, 130.767

Inverse Universe

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



38, 96.626, 313.368



42, 123.770, 312.495



50, 92.595, 328.645



41, 6.780, 310.573



27, 90.723, 312.726



3, 26.933, 308.728

Previews

White Background



This preview shows how the CIELCh color 75, 86.613, 127.684 looks on a white background.

Color Contrast Check

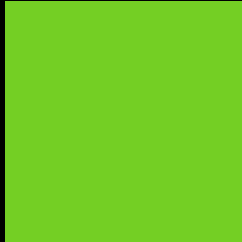
Large Text (above 18pt) WCAG AA × Fail

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, 86.613, 127.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

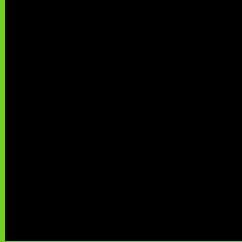
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 86.613, 127.684

Background



This preview shows how black text looks on a background with the CIELCh color 75, 86.613, 127.684.

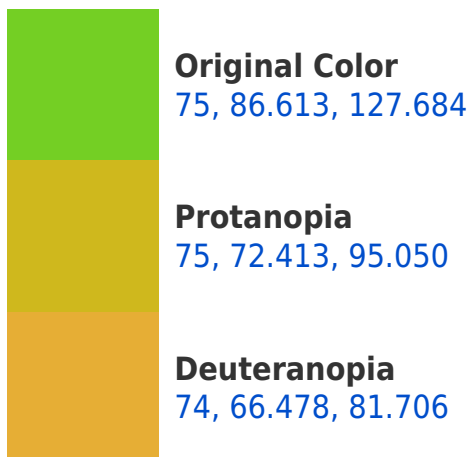


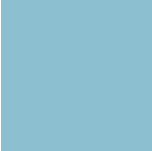
This preview shows how white text looks on a background with the CIELCh color 75, 86.613, 127.684.

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, 18.784, 225.884

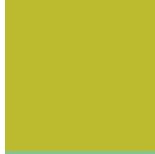
Trichromacy



Original Color
75, 86.613, 127.684



Protanomaly
74, 74.310, 109.319



Deuteranomaly
74, 67.328, 102.932



Tritanomaly
74, 37.307, 148.332

Monochromacy



Original Color
75, 86.613, 127.684



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 36.006, 128.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 86.613, 127.684 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(116, 207, 36)` looks like.

```
.text, #text, p{  
    color:rgb(116, 207, 36)  
}
```

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(116, 207, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 207, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 86.613, 127.684 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(116, 207, 36) }
```

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

```
.border{ border-color:rgb(116, 207, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 207, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 207, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 207, 36);  
box-shadow:4px 4px 4px 4px rgb(116, 207,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 86.613, 127.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 207, 36) }
```

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

```
.background{ background-color: rgb(116,  
207, 36) }
```

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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