

Converting Colors

CIELCh(76, 95.092, 129.126)

Have a look what the booklet for
CIELCh(76, 95.092, 129.126)
contains.

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Color

CIELCh(76, 95.170, 129.157)

Conversions

Conversions Part 1

Format	Color
Hex	65D407
RGB	101, 212, 7
RGB Percent	40%, 83%, 3%
CMY	0.6038, 0.1685, 0.9721
CMYK	0.52, 0.00, 0.97, 0.17
HSL	93°, 93%, 43%
HSV	93°, 97%, 83%
XYZ	28.9612, 49.8872, 8.3067
YIQ	155.4410, -0.3510, -87.2870

Conversions

Conversions Part 2

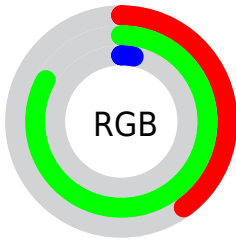
Format	Color
RYB	7, 212, 118
Decimal	6673415
CIELab	76.00, -60.09, 73.80
CIELCh	76, 95.170, 129.157
Yxy	49.8872, 0.3323, 0.5724
Android (android.graphics.Color)	4284863495 (0xFF65D407)
YUV	155.4410, -73.1814, -47.7448
Hunter-Lab	70.6309, -50.4127, 42.4687

Details

The CIELCh color **76, 95.170, 129.157** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **36, 106.339, 312.994**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 87.805, 128.023**, and **56, 81.810, 134.971** is the 20% darker color. If you saturate the color by 10%, you get **76, 96.323, 129.503**, and if you desaturate by 10%, it is **76, 90.888, 128.232**.

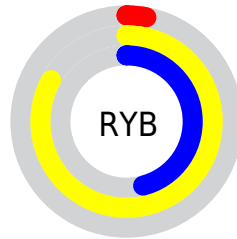
Distribution



Red (40%)

Green (83%)

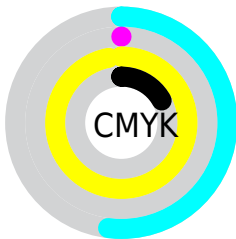
Blue (3%)



Red (3%)

Yellow (83%)

Blue (46%)

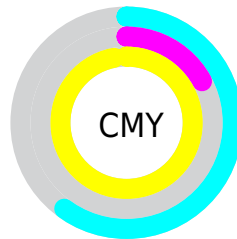


Cyan (52%)

Magenta (0%)

Yellow (97%)

Black (17%)



Cyan (60%)


Magenta (17%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 95.170, 129.157 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 76, 95.170, 129.157 by changing the saturation by 10% instead.


 76, 95.170,
129.157


 76, 95.170,
129.157


 100, 95.170,
129.157


 66, 95.170,
129.157


 96, 95.170,
129.157

 56, 95.170,
129.157

 46, 95.170,
129.157

 36, 95.170,
129.157

 26, 95.170,
129.157

 16, 95.170,
129.157

 6, 95.170, 129.157

■ 0, 95.170, 129.157

■ 76, 95.170,
129.157

■ 76, 95.170,
129.157

■ 76, 96.323,
129.503

■ 76, 90.888,
128.232

■ 77, 84.362,
127.787

■ 78, 75.894,
127.743

■ 79, 65.995,
127.971

■ 79, 55.138,
128.356

■ 80, 43.684,
128.818

■ 81, 31.889,
129.304

■ 83, 19.931,
129.784

■ 84, 7.933, 130.247

Harmonies

Complementary

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



76, 95.170, 129.157



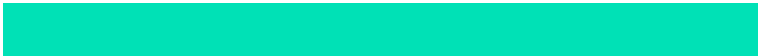
36, 106.339, 312.994

Rectangle

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



76, 95.170, 129.157



76, 95.170, 179.157



76, 95.170, 309.157



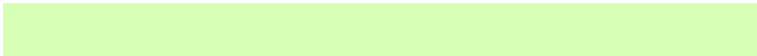
76, 95.170, 359.157

Sweetspot

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



76, 95.170, 129.158



96, 40.293, 129.174



59, 71.902, 63.939



50, 27.601, 128.964



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76, 95.170, 129.158



90, 110.905, 129.672



74, 102.879, 136.360



44, 6.845, 130.119



62, 81.803, 129.263



15, 28.129, 130.414

Inverse Universe

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



36, 106.339, 312.994



42, 123.910, 312.665



50, 97.403, 329.554



42, 6.931, 310.907



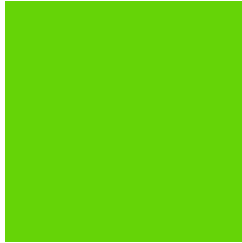
27, 91.555, 312.953



3, 29.271, 310.091

Previews

White Background



This preview shows how the CIELCh color 76, 95.170, 129.157 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 76, 95.170, 129.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

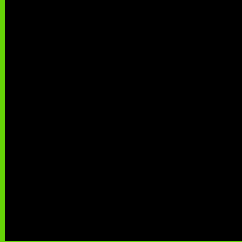
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 95.170, 129.157

Background



This preview shows how black text looks on a background with the CIELCh color 76, 95.170, 129.157.



This preview shows how white text looks on a background with the CIELCh color 76, 95.170, 129.157.

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

76, 95.170, 129.157

Protanopia

76, 77.500, 95.202

Deuteranopia

75, 70.459, 81.889



Tritanopia
76, 22.318, 220.914

Trichromacy



Original Color
76, 95.170, 129.157



Protanomaly
75, 80.168, 110.975



Deuteranomaly
74, 72.828, 104.303



Tritanomaly
75, 45.660, 147.830

Monochromacy



Original Color
76, 95.170, 129.157



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 43.550, 128.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 95.170, 129.157 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(101, 212, 7)` looks like.

```
.text, #text, p{  
    color:rgb(101, 212, 7)  
}
```

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(101, 212, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 212, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 95.170, 129.157 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(101, 212, 7) }
```

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

```
.border{ border-color:rgb(101, 212, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 212, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 212, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 212, 7);  
box-shadow:4px 4px 4px 4px rgb(101, 212,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 95.170, 129.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 212, 7) }
```

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

```
.background{ background-color: rgb(101,  
212, 7) }
```

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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