

Converting Colors

CIELCh(78, 94.090, 125.279)

Have a look what the booklet for
CIELCh(78, 94.090, 125.279)
contains.

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Color

CIELCh(78, 93.917, 125.368)

Conversions

Conversions Part 1

Format	Color
Hex	7DD800
RGB	125, 216, 0
RGB Percent	49%, 85%, 0%
CMY	0.5116, 0.1546, 1.0000
CMYK	0.42, 0.00, 1.00, 0.15
HSL	85°, 100%, 42%
HSV	85°, 100%, 85%
XYZ	32.8282, 53.2120, 8.5021
YIQ	164.1670, 15.1000, -86.4680

Conversions

Conversions Part 2

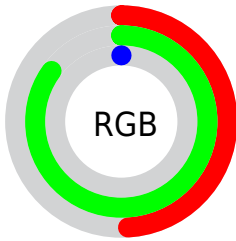
Format	Color
RYB	0, 216, 91
Decimal	8247296
CIELab	78.00, -54.36, 76.58
CIELCh	78, 93.917, 125.368
Yxy	53.2120, 0.3472, 0.5628
Android (android.graphics.Color)	4286437376 (0xFF7DD800)
YUV	164.1670, -80.9343, -34.3495
Hunter-Lab	72.9466, -47.3259, 44.1522

Details

The CIELCh color **78, 93.917, 125.368** 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 **32, 111.888, 310.165**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 84.853, 123.050**, and **58, 79.371, 130.960** is the 20% darker color. If you saturate the color by 10%, you get **78, 93.805, 125.404**, and if you desaturate by 10%, it is **78, 90.356, 124.317**.

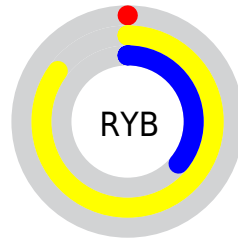
Distribution



Red (49%)

Green (85%)

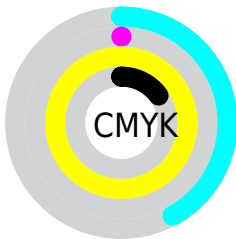
Blue (0%)



Red (0%)

Yellow (85%)

Blue (36%)

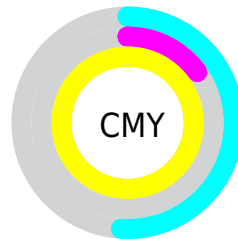


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (51%)


Magenta (15%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 93.917, 125.368 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 78, 93.917, 125.368 by changing the saturation by 10% instead.


 78, 93.917,
125.368

 78, 93.917,
125.368


 100, 93.917,
125.368


 68, 93.917,
125.368


 98, 93.917,
125.368

 58, 93.917,
125.368

 48, 93.917,
125.368

 38, 93.917,
125.368

 28, 93.917,
125.368

 18, 93.917,
125.368

 8, 93.917, 125.368

■ 0, 93.917, 125.368

■ 78, 93.917,
125.368

■ 78, 93.917,
125.368

■ 78, 93.805,
125.404

■ 78, 90.356,
124.317

■ 79, 84.878,
123.662

■ 80, 77.302,
123.452

■ 80, 68.106,
123.568

■ 81, 57.793,
123.890

■ 82, 46.764,
124.329

■ 83, 35.304,
124.823

■ 84, 23.606,
125.334

■ 85, 11.804,
125.838

Harmonies

Complementary

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



78, 93.917, 125.368



32, 111.888, 310.165

Rectangle

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



78, 93.917, 125.368



78, 93.917, 175.368



78, 93.917, 305.368



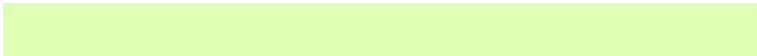
78, 93.917, 355.368

Sweetspot

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



78, 93.805, 125.404



96, 40.453, 124.809



54, 78.390, 53.857



51, 27.534, 124.595



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 93.805, 125.404



91, 106.629, 125.561



75, 105.058, 135.701



45, 6.664, 125.867



63, 78.702, 125.142



15, 27.062, 125.998

Inverse Universe

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



32, 111.888, 310.165



39, 127.158, 310.062



48, 102.342, 324.956



42, 6.770, 306.761



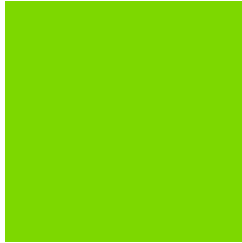
25, 93.905, 310.339



3, 28.532, 305.494

Previews

White Background



This preview shows how the CIELCh color 78, 93.917, 125.368 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 CIE LCh color 78, 93.917, 125.368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

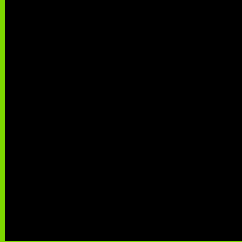
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 93.917, 125.368

Background



This preview shows how black text looks on a background with the CIELCh color 78, 93.917, 125.368.



This preview shows how white text looks on a background with the CIELCh color 78, 93.917, 125.368.

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

78, 93.917, 125.368

Protanopia

77, 79.067, 95.065

Deuteranopia

77, 72.903, 82.311



Tritanopia
78, 18.208, 226.650

Trichromacy



Original Color
78, 93.917, 125.368



Protanomaly
77, 81.483, 108.367



Deuteranomaly
77, 75.369, 101.483



Tritanomaly
77, 44.100, 140.681

Monochromacy



Original Color
78, 93.917, 125.368



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 44.016, 124.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 93.917, 125.368 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(125, 216, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 216, 0)  
}
```

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(125, 216, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 216, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 93.917, 125.368 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(125, 216, 0) }
```

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

```
.border{ border-color:rgb(125, 216, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 216, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 216, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 216, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 216,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 93.917, 125.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 216, 0) }
```

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

```
.background{ background-color: rgb(125,  
216, 0) }
```

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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