

Converting Colors

CIELCh(78, 89.221, 121.101)

Have a look what the booklet for
CIELCh(78, 89.221, 121.101)
contains.

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Color

CIELCh(78, 89.134, 121.125)

Conversions

Conversions Part 1

Format	Color
Hex	90D406
RGB	144, 212, 6
RGB Percent	56%, 83%, 2%
CMY	0.4341, 0.1674, 0.9765
CMYK	0.32, 0.00, 0.97, 0.17
HSL	80°, 95%, 43%
HSV	80°, 97%, 83%
XYZ	35.2102, 53.2120, 8.5867
YIQ	168.1840, 25.5980, -78.4820

Conversions

Conversions Part 2

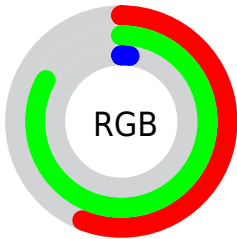
Format	Color
RYB	6, 212, 74
Decimal	9491462
CIELab	78.00, -46.07, 76.30
CIELCh	78, 89.134, 121.125
Yxy	53.2120, 0.3630, 0.5485
Android (android.graphics.Color)	4287681542 (0xFF90D406)
YUV	168.1840, -79.9567, -21.2094
Hunter-Lab	72.9466, -41.4971, 44.0835

Details

The CIELCh color **78, 89.134, 121.125** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **30, 111.212, 308.701**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 82.327, 118.780**, and **58, 74.767, 126.401** is the 20% darker color. If you saturate the color by 10%, you get **78, 89.926, 121.418**, and if you desaturate by 10%, it is **78, 85.631, 120.212**.

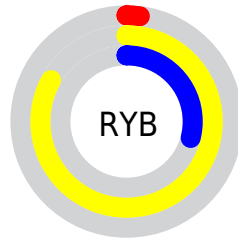
Distribution



Red (56%)

Green (83%)

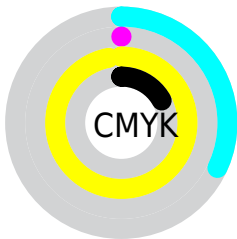
Blue (2%)



Red (2%)

Yellow (83%)

Blue (29%)

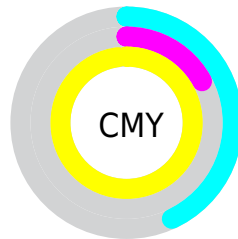


Cyan (32%)

Magenta (0%)

Yellow (97%)

Black (17%)



Cyan (43%)


Magenta (17%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 89.134, 121.125 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, 89.134, 121.125 by changing the saturation by 10% instead.


 78, 89.134,
121.125

 78, 89.134,
121.125


 100, 89.134,
121.125


 68, 89.134,
121.125


 98, 89.134,
121.125

 58, 89.134,
121.125

 48, 89.134,
121.125

 38, 89.134,
121.125

 28, 89.134,
121.125

 18, 89.134,
121.125

 8, 89.134, 121.125

■ 0, 89.134, 121.125

■ 78, 89.134,
121.125

■ 78, 89.134,
121.125

■ 78, 89.926,
121.418

■ 78, 85.631,
120.212

■ 79, 79.916,
119.764

■ 79, 72.232,
119.712

■ 80, 63.082,
119.940

■ 81, 52.942,
120.345

■ 82, 42.174,
120.849

■ 82, 31.027,
121.401

■ 83, 19.671,
121.967

■ 84, 8.220, 122.529

Harmonies

Complementary

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



78, 89.134, 121.125



30, 111.212, 308.701

Rectangle

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



78, 89.134, 121.125



78, 89.134, 171.125



78, 89.134, 301.125



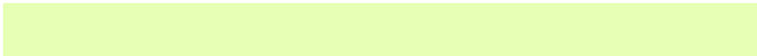
78, 89.134, 351.125

Sweetspot

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



78, 89.134, 121.126



97, 38.376, 121.282



50, 79.980, 48.232



51, 26.264, 121.042



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, 89.134, 121.126



92, 103.370, 121.578



75, 101.940, 134.854



45, 6.550, 122.403



64, 76.367, 121.190



16, 26.317, 121.985

Inverse Universe

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



30, 111.212, 308.701



36, 129.490, 308.544



44, 101.645, 321.357



42, 6.670, 303.435



23, 95.623, 308.787



2, 28.161, 302.455

Previews

White Background



This preview shows how the CIELCh color 78, 89.134, 121.125 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 78, 89.134, 121.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

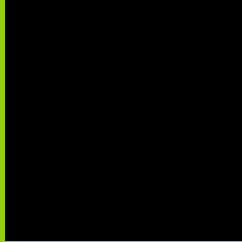
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 89.134, 121.125

Background



This preview shows how black text looks on a background with the CIELCh color 78, 89.134, 121.125.



This preview shows how white text looks on a background with the CIELCh color 78, 89.134, 121.125.

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

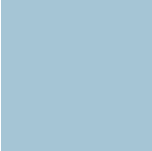
78, 89.046, 121.149

Protanopia

78, 79.136, 94.744

Deuteranopia

78, 73.651, 82.098



Tritanopia
78, 13.601, 238.070

Trichromacy



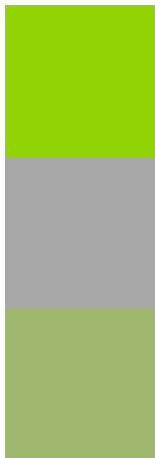
Original Color
78, 89.046, 121.149

Protanomaly
77, 80.313, 105.372

Deuteranomaly
77, 75.048, 98.778

Tritanomaly
77, 38.739, 134.428

Monochromacy



Original Color
78, 89.046, 121.149

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 41.072, 120.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 89.134, 121.125 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(144, 212, 6)` looks like.

```
.text, #text, p{  
    color:rgb(144, 212, 6)  
}
```

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(144, 212, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 212, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 89.134, 121.125 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(144, 212, 6) }
```

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

```
.border{ border-color:rgb(144, 212, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 212, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 212, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 212, 6);  
box-shadow:4px 4px 4px 4px rgb(144, 212,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 89.134, 121.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 212, 6) }
```

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

```
.background{ background-color: rgb(144,  
212, 6) }
```

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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