

Converting Colors

CIELCh(90, 110.593, 129.403)

Have a look what the booklet for
CIELCh(90, 110.593, 129.403)
contains.

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Color

CIELCh(90, 110.220, 129.380)

Conversions

Conversions Part 1

Format	Color
Hex	79FF08
RGB	121, 255, 8
RGB Percent	47%, 100%, 3%
CMY	0.5247, 0.0000, 0.9679
CMYK	0.52, 0.00, 0.97, 0.00
HSL	93°, 100%, 52%
HSV	93°, 97%, 100%
XYZ	44.0603, 76.3034, 12.6396
YIQ	186.7760, -0.5770, -105.2250

Conversions

Conversions Part 2

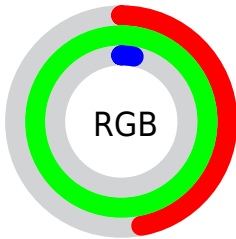
Format	Color
RYB	8, 255, 142
Decimal	7995144
CIELab	90.00, -69.93, 85.20
CIELCh	90, 110.220, 129.380
Yxy	76.3034, 0.3313, 0.5737
Android (android.graphics.Color)	4286185224 (0xFF79FF08)
YUV	186.7760, -88.1366, -57.6856
Hunter-Lab	87.3518, -62.8300, 52.5671

Details

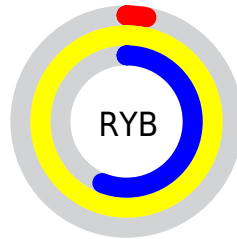
The CIELCh color **90, 110.220, 129.380** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **43, 122.628, 312.909**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 81.299, 124.081**, and **70, 96.354, 134.267** is the 20% darker color. If you saturate the color by 10%, you get **90, 110.919, 129.685**, and if you desaturate by 10%, it is **90, 105.126, 128.320**.

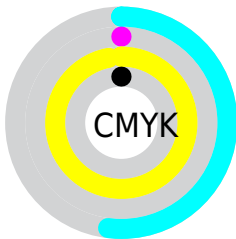
Distribution



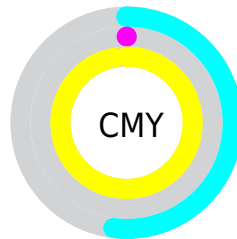
- Red (47%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (56%)



- Cyan (52%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 110.220, 129.380 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 90, 110.220, 129.380 by changing the saturation by 10% instead.


 90, 110.220,
129.380


 90, 110.220,
129.380


 100, 110.220,
129.380


 80, 110.220,
129.380


 70, 110.220,
129.380

 60, 110.220,
129.380

 50, 110.220,
129.380

 40, 110.220,
129.380

 30, 110.220,
129.380

 20, 110.220,

129.380

■ 10, 110.220,
129.380

■ 0, 110.220,
129.380

■ 90, 110.220,
129.380

■ 90, 110.220,
129.380

■ 90, 110.919,
129.685

■ 90, 105.126,
128.320

■ 91, 97.803,
127.824

■ 92, 88.148,
127.748

■ 93, 76.761,
127.961

■ 94, 64.212,
128.342

■ 95, 50.939,
128.806

■ 96, 37.252,
129.297

■ 97, 23.366,
129.783

■ 99, 9.429, 130.251

Harmonies

Complementary

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



90, 110.220, 129.380



43, 122.628, 312.909

Rectangle

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



90, 110.220, 129.380



90, 110.220, 179.380



90, 110.220, 309.380



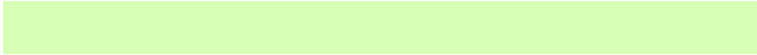
90, 110.220, 359.380

Sweetspot

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



90, 109.788, 129.317



96, 40.298, 129.188



69, 83.079, 63.563



50, 27.605, 128.978



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 109.788, 129.317



90, 110.919, 129.685



88, 118.548, 136.300



52, 7.900, 130.125



69, 89.081, 129.407



23, 39.589, 127.906

Inverse Universe

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



43, 122.628, 312.909



42, 123.899, 312.675



60, 112.088, 329.574



49, 8.001, 310.929



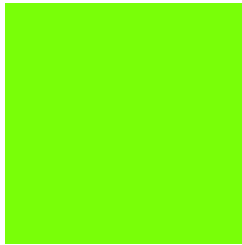
31, 99.623, 312.871



6, 44.837, 314.044

Previews

White Background



This preview shows how the CIELCh color 90, 110.220, 129.380 looks on a white background.

Color Contrast Check

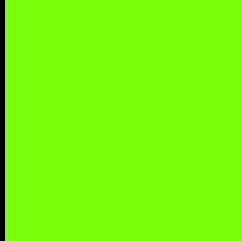
Large Text (above 18pt) WCAG AA × Fail

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 90, 110.220, 129.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

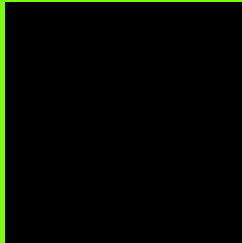
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 110.220, 129.380

Background



This preview shows how black text looks on a background with the CIELCh color 90, 110.220, 129.380.

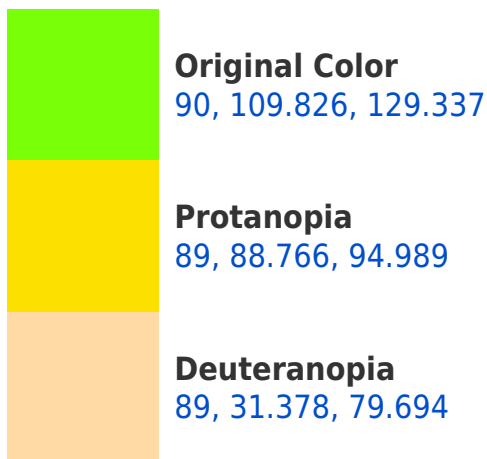


This preview shows how white text looks on a background with the CIELCh color 90, 110.220, 129.380.

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](#).

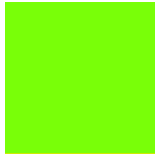
Dichromacy





Tritanopia
90, 25.148, 220.061

Trichromacy



Original Color
90, 109.826, 129.337



Protanomaly
88, 92.000, 111.000

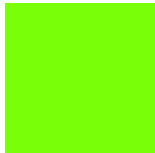


Deuteranomaly
88, 61.933, 114.624

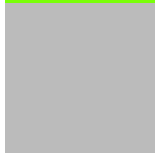


Tritanomaly
89, 53.674, 146.970

Monochromacy



Original Color
90, 109.826, 129.337



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 50.430, 128.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 110.220, 129.380 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(121, 255, 8)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 8)  
}
```

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(121, 255, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 110.220, 129.380 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(121, 255, 8) }
```

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

```
.border{ border-color:rgb(121, 255, 8) }
```

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

Here you see how a box with a 4 pixel rgb(121, 255, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 8);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
8) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 110.220, 129.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 8) }
```

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

```
.background{ background-color: rgb(121,  
255, 8) }
```

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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