

Converting Colors

CIELCh(88, 90.576, 120.690)

Have a look what the booklet for
CIELCh(88, 90.576, 120.690)
contains.

CIELCh(88, 90.576, 120.690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 90.576, 120.690)

Conversions

Conversions Part 1

Format	Color
Hex	AEF131
RGB	174, 241, 49
RGB Percent	68%, 95%, 19%
CMY	0.3180, 0.0552, 0.8083
CMYK	0.28, 0.00, 0.80, 0.06
HSL	81°, 87%, 57%
HSV	81°, 80%, 94%
XYZ	49.4148, 72.0653, 14.1986
YIQ	199.0790, 21.7000, -73.9160

Conversions

Conversions Part 2

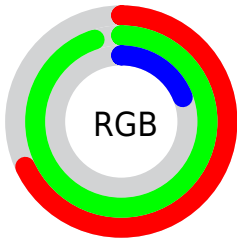
Format	Color
RYB	49, 241, 116
Decimal	11465009
CIELab	88.00, -46.23, 77.89
CIELCh	88, 90.576, 120.690
Yxy	72.0653, 0.3642, 0.5311
Android (android.graphics.Color)	4289655089 (0xFFAEF131)
YUV	199.0790, -73.9889, -21.9943
Hunter-Lab	84.8913, -44.6557, 49.5073

Details

The CIELCh color **88, 90.576, 120.690** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **42, 108.577, 309.064**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 69.706, 111.883**, and **68, 82.347, 123.445** is the 20% darker color. If you saturate the color by 10%, you get **87, 96.213, 121.313**, and if you desaturate by 10%, it is **89, 82.606, 120.510**.

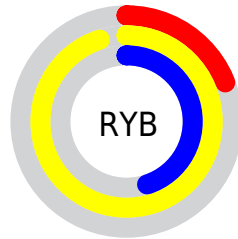
Distribution



Red (68%)

Green (95%)

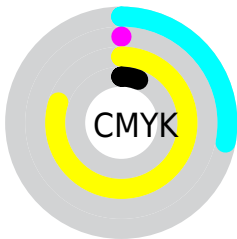
Blue (19%)



Red (19%)

Yellow (95%)

Blue (45%)

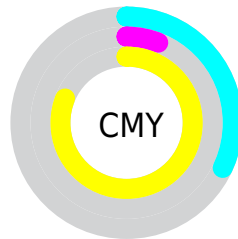


Cyan (28%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (32%)


Magenta (6%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 90.576, 120.690 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 88, 90.576, 120.690 by changing the saturation by 10% instead.


 88, 90.576,
120.690


 88, 90.576,
120.690


 100, 90.576,
120.690


 78, 90.576,
120.690

 68, 90.576,
120.690

 58, 90.576,
120.690

 48, 90.576,
120.690

 38, 90.576,
120.690

 28, 90.576,
120.690


 18, 90.576,


120.690


 8, 90.576, 120.690


 0, 90.576, 120.690


 88, 90.576,
120.690


 88, 90.576,
120.690


 87, 96.213,
121.313

 89, 82.606,
120.510

 87, 99.529,
122.386

 89, 72.829,
120.653


 87, 99.614,
122.420


 90, 61.805,
121.005

 91, 49.979,
121.478

 92, 37.667,

122.012

 93, 25.081,
122.567

 94, 12.363,
123.120

 95, 0.387, 303.447

 96, 7.865, 313.171

Harmonies

Complementary

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



88, 90.576, 120.690



42, 108.577, 309.064

Rectangle

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



88, 90.576, 120.690



88, 90.576, 170.690



88, 90.576, 300.690



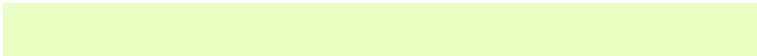
88, 90.576, 350.690

Sweetspot

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



88, 90.576, 120.691



97, 31.948, 122.324



62, 72.610, 51.056



51, 21.916, 122.125



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 90.576, 120.691



92, 102.878, 121.996



84, 103.493, 134.939



50, 7.209, 123.132



68, 81.097, 122.153



21, 33.632, 121.113

Inverse Universe

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



42, 108.577, 309.064



38, 127.084, 308.993



54, 103.895, 322.410



46, 7.338, 304.145



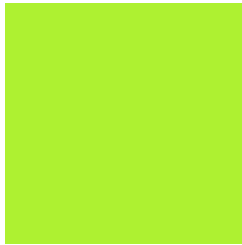
25, 100.567, 309.024



4, 38.992, 307.400

Previews

White Background



This preview shows how the CIELCh color 88, 90.576, 120.690 looks on a white background.

Color Contrast Check

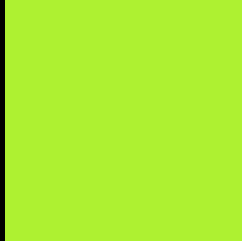
Large Text (above 18pt) WCAG AA × Fail

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 88, 90.576, 120.690 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 88, 90.576, 120.690

Background



This preview shows how black text looks on a background with the CIELCh color 88, 90.576, 120.690.

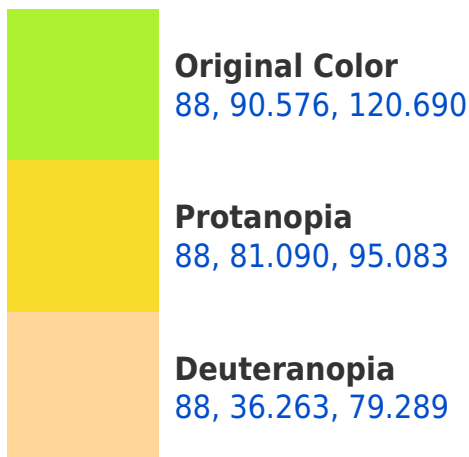


This preview shows how white text looks on a background with the CIELCh color 88, 90.576, 120.690.

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
88, 13.074, 245.181

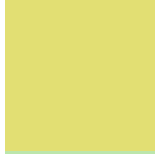
Trichromacy



Original Color
88, 90.576, 120.690



Protanomaly
87, 82.380, 105.745



Deuteranomaly
87, 54.449, 104.259

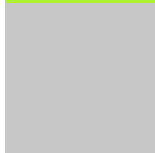


Tritanomaly
87, 33.972, 135.289

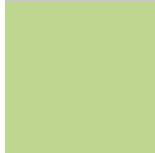
Monochromacy



Original Color
88, 90.576, 120.690



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 37.569, 121.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 90.576, 120.690 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(174, 241, 49)` looks like.

```
.text, #text, p{  
    color:rgb(174, 241, 49)  
}
```

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(174, 241, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 241, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 90.576, 120.690 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(174, 241, 49) }
```

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

```
.border{ border-color:rgb(174, 241, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 241, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 241, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 241, 49);  
box-shadow:4px 4px 4px 4px rgb(174, 241,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 90.576, 120.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 241, 49) }
```

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

```
.background{ background-color: rgb(174,  
241, 49) }
```

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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