

Converting Colors

CIELCh(88, 93.722, 118.174)

Have a look what the booklet for
CIELCh(88, 93.722, 118.174)
contains.

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Color

CIELCh(88, 93.733, 118.164)

Conversions

Conversions Part 1

Format	Color
Hex	B4F01B
RGB	180, 240, 27
RGB Percent	71%, 94%, 11%
CMY	0.2943, 0.0590, 0.8945
CMYK	0.25, 0.00, 0.89, 0.06
HSL	77°, 88%, 52%
HSV	77°, 89%, 94%
XYZ	50.1514, 72.0653, 12.2975
YIQ	197.7780, 32.6130, -78.9630

Conversions

Conversions Part 2

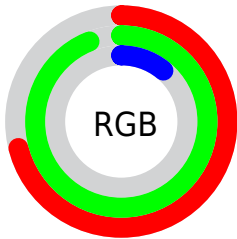
Format	Color
R _{YB}	27, 240, 87
Decimal	11857947
CIE Lab	88.00, -44.24, 82.64
CIE LCh	88, 93.733, 118.164
Yxy	72.0653, 0.3728, 0.5357
Android (android.graphics.Color)	4290048027 (0xFFB4F01B)
YUV	197.7780, -84.1936, -15.5913
Hunter-Lab	84.8913, -43.1070, 50.8350

Details

The CIELCh color **88, 93.733, 118.164** 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 **36, 117.947, 308.079**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 74.709, 109.196**, and **68, 81.058, 121.859** is the 20% darker color. If you saturate the color by 10%, you get **88, 96.898, 119.088**, and if you desaturate by 10%, it is **88, 88.152, 117.688**.

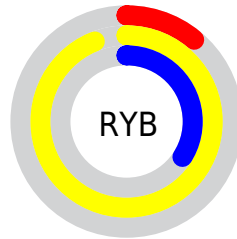
Distribution



Red (71%)

Green (94%)

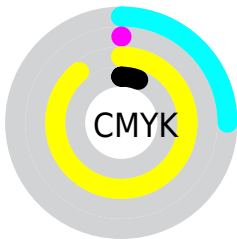
Blue (11%)



Red (11%)

Yellow (94%)

Blue (34%)

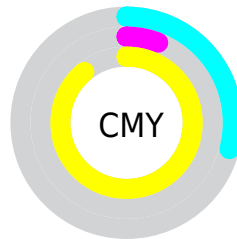


Cyan (25%)

Magenta (0%)

Yellow (89%)

Black (6%)



Cyan (29%)


Magenta (6%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 93.733, 118.164 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, 93.733, 118.164 by changing the saturation by 10% instead.


 88, 93.733,
118.164


 88, 93.733,
118.164


 100, 93.733,
118.164


 78, 93.733,
118.164

 68, 93.733,
118.164

 58, 93.733,
118.164

 48, 93.733,
118.164

 38, 93.733,
118.164


 28, 93.733,
118.164


 18, 93.733,


118.164

 8, 93.733, 118.164


 0, 93.733, 118.164

 88, 93.733,
118.164


 88, 93.733,
118.164


 88, 96.898,
119.088

 88, 88.152,
117.688

 88, 97.213,
119.210

 89, 80.262,
117.616

 90, 70.603,
117.841

 90, 59.732,
118.259

 91, 48.082,

118.790

■ 92, 35.958,
119.380

■ 93, 23.563,
119.990

■ 94, 11.033,
120.598

■ 95, 1.541, 301.150

Harmonies

Complementary

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



88, 93.733, 118.164



36, 117.947, 308.079

Rectangle

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



88, 93.733, 118.164



88, 93.733, 168.164



88, 93.733, 298.164



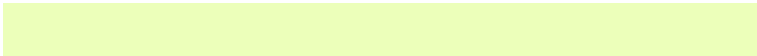
88, 93.733, 348.164

Sweetspot

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



88, 93.733, 118.166



97, 35.468, 119.482



57, 83.812, 46.349



52, 23.852, 119.275



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, 93.733, 118.166



92, 101.822, 119.256



84, 107.572, 133.838



50, 7.131, 120.556



69, 79.423, 118.974



21, 33.063, 118.069

Inverse Universe

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



36, 117.947, 308.079



35, 130.553, 307.928



50, 109.458, 320.010



46, 7.270, 301.693



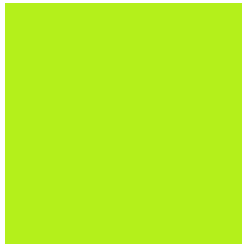
24, 101.768, 308.100



4, 38.706, 305.487

Previews

White Background



This preview shows how the CIELCh color 88, 93.733, 118.164 looks on a white background.

Color Contrast Check

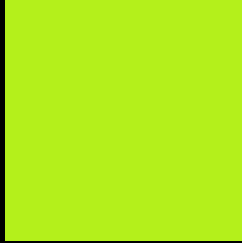
Large Text (above 18pt) WCAG AA × Fail

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 88, 93.733, 118.164 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, 93.733, 118.164

Background



This preview shows how black text looks on a background with the CIELCh color 88, 93.733, 118.164.



This preview shows how white text looks on a background with the CIELCh color 88, 93.733, 118.164.

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

88, 93.733, 118.164

Protanopia

88, 85.848, 94.842

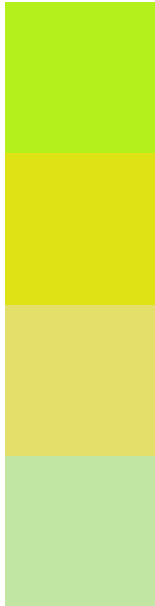
Deuteranopia

88, 36.725, 79.594



Tritanopia
88, 11.819, 252.052

Trichromacy



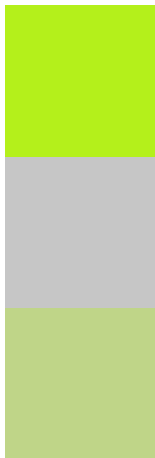
Original Color
88, 93.733, 118.164

Protanomaly
87, 86.679, 104.147

Deuteranomaly
87, 58.585, 103.178

Tritanomaly
87, 36.741, 129.321

Monochromacy



Original Color
88, 93.733, 118.164

Achromatopsia
80, 0.010, 296.813

Achromatomaly
82, 40.822, 119.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 93.733, 118.164 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(180, 240, 27)` looks like.

```
.text, #text, p{  
    color:rgb(180, 240, 27)  
}
```

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(180, 240, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 240, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 93.733, 118.164 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(180, 240, 27) }
```

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

```
.border{ border-color:rgb(180, 240, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 240, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 240, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 240, 27);  
box-shadow:4px 4px 4px 4px rgb(180, 240,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 93.733, 118.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 240, 27) }
```

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

```
.background{ background-color: rgb(180,  
240, 27) }
```

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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