

Converting Colors

CIELCh(90, 96.978, 119.991)

Have a look what the booklet for
CIELCh(90, 96.978, 119.991)
contains.

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Color

CIELCh(90, 97.219, 120.076)

Conversions

Conversions Part 1

Format	Color
Hex	B1F81B
RGB	177, 248, 27
RGB Percent	69%, 97%, 11%
CMY	0.3073, 0.0288, 0.8928
CMYK	0.29, 0.00, 0.89, 0.03
HSL	79°, 94%, 54%
HSV	79°, 89%, 97%
XYZ	51.7093, 76.3034, 13.0582
YIQ	201.5770, 28.6250, -83.7830

Conversions

Conversions Part 2

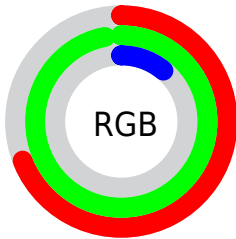
Format	Color
R _Y B	27, 248, 98
Decimal	11663387
CIE Lab	90.00, -48.72, 84.13
CIE LCh	90, 97.219, 120.076
Yxy	76.3034, 0.3665, 0.5409
Android (android.graphics.Color)	4289853467 (0xFFB1F81B)
YUV	201.5770, -86.0665, -21.5540
Hunter-Lab	87.3518, -47.1996, 52.2830

Details

The CIELCh color **90, 97.219, 120.076** 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 **38, 120.322, 308.733**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 74.040, 110.235**, and **70, 84.603, 123.863** is the 20% darker color. If you saturate the color by 10%, you get **90, 100.566, 121.100**, and if you desaturate by 10%, it is **91, 91.410, 119.518**.

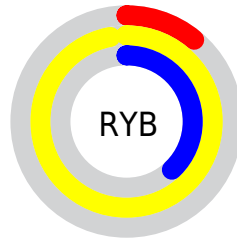
Distribution



Red (69%)

Green (97%)

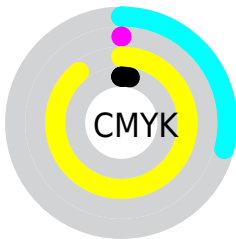
Blue (11%)



Red (11%)

Yellow (97%)

Blue (38%)

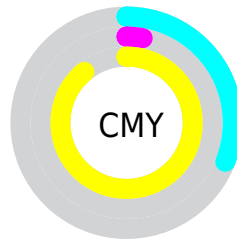


Cyan (29%)

Magenta (0%)

Yellow (89%)

Black (3%)



Cyan (31%)


Magenta (3%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 97.219, 120.076 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, 97.219, 120.076 by changing the saturation by 10% instead.


 90, 97.219,
120.076


 90, 97.219,
120.076


 100, 97.219,
120.076


 80, 97.219,
120.076

 70, 97.219,
120.076

 60, 97.219,
120.076


 50, 97.219,
120.076


 40, 97.219,
120.076


 30, 97.219,
120.076


 20, 97.219,


120.076


 10, 97.219,
120.076


 0, 97.219, 120.076


 90, 97.219,
120.076


 90, 97.219,
120.076


 90, 100.566,
121.100

 91, 91.410,
119.518

 89, 100.852,
121.214

 91, 83.230,
119.385

 92, 73.228,
119.565

 93, 61.977,
119.945

93, 49.924,
120.442

94, 37.386,
120.998

95, 24.574,
121.574

96, 11.629,
122.148

98, 1.352, 302.644

Harmonies

Complementary

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



90, 97.219, 120.076



38, 120.322, 308.733

Rectangle

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



90, 97.219, 120.076



90, 97.219, 170.076



90, 97.219, 300.076



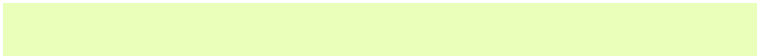
90, 97.219, 350.076

Sweetspot

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



90, 97.219, 120.078



97, 35.718, 121.108



60, 83.986, 49.219



51, 24.024, 120.913



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, 97.219, 120.078



92, 103.128, 121.237



86, 111.457, 134.634



52, 7.426, 122.117



70, 82.084, 120.962



23, 35.962, 119.639

Inverse Universe

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



38, 120.322, 308.733



36, 129.658, 308.444



53, 111.681, 321.658



48, 7.565, 303.181



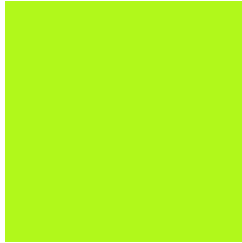
26, 103.166, 308.614



4, 42.895, 307.802

Previews

White Background



This preview shows how the CIELCh color 90, 97.219, 120.076 looks on a white background.

Color Contrast Check

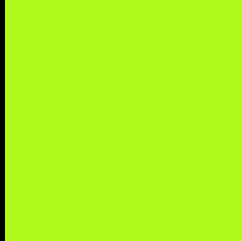
Large Text (above 18pt) WCAG AA × Fail

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, 97.219, 120.076 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, 97.219, 120.076

Background



This preview shows how black text looks on a background with the CIELCh color 90, 97.219, 120.076.



This preview shows how white text looks on a background with the CIELCh color 90, 97.219, 120.076.

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

90, 97.361, 120.042

Protanopia

90, 87.659, 95.044

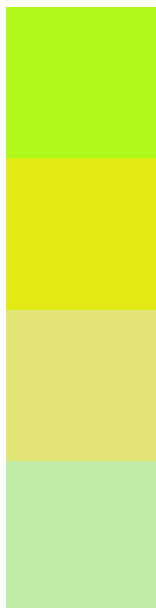
Deuteranopia

90, 29.069, 79.502



Tritanopia
90, 13.813, 244.829

Trichromacy



Original Color
90, 97.361, 120.042

Protanomaly
89, 88.888, 105.196

Deuteranomaly
89, 55.637, 106.843

Tritanomaly
89, 38.722, 132.698

Monochromacy



Original Color
90, 97.361, 120.042

Achromatopsia
81, 0.010, 296.813

Achromatomaly
84, 42.512, 120.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 97.219, 120.076 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(177, 248, 27)` looks like.

```
.text, #text, p{  
    color:rgb(177, 248, 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(177, 248, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 248, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 97.219, 120.076 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(177, 248, 27) }
```

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

```
.border{ border-color:rgb(177, 248, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 248, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 248, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 248, 27);  
box-shadow:4px 4px 4px 4px rgb(177, 248,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 97.219, 120.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 248, 27) }
```

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

```
.background{ background-color: rgb(177,  
248, 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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