

Converting Colors

CIELCh(92, 102.367, 120.116)

Have a look what the booklet for
CIELCh(92, 102.367, 120.116)
contains.

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Color

CIELCh(92, 102.462, 120.260)

Conversions

Conversions Part 1

Format	Color
Hex	B2FF00
RGB	178, 255, 0
RGB Percent	70%, 100%, 0%
CMY	0.3034, 0.0014, 1.0000
CMYK	0.30, 0.00, 1.00, 0.00
HSL	78°, 100%, 50%
HSV	78°, 100%, 100%
XYZ	53.9094, 80.7044, 12.6949
YIQ	202.9070, 35.9630, -95.6290

Conversions

Conversions Part 2

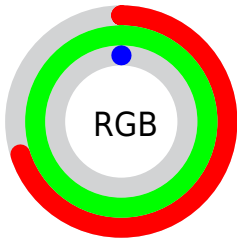
Format	Color
RYB	0, 255, 77
Decimal	11730688
CIELab	92.00, -51.63, 88.50
CIELCh	92, 102.462, 120.260
Yxy	80.7044, 0.3660, 0.5479
Android (android.graphics.Color)	4289920768 (0xFFB2FF00)
YUV	202.9070, -100.0332, -21.8434
Hunter-Lab	89.8356, -50.0964, 54.5065

Details

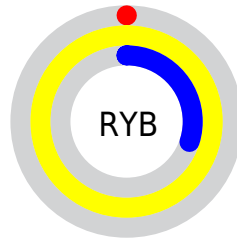
The CIELCh color **92, 102.462, 120.260** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **36, 129.966, 308.182**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 76.678, 109.246**, and **72, 87.416, 124.588** is the 20% darker color. If you saturate the color by 10%, you get **92, 102.367, 120.283**, and if you desaturate by 10%, it is **92, 99.251, 119.260**.

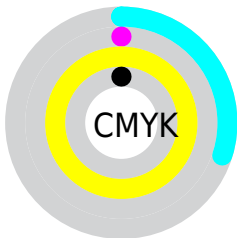
Distribution



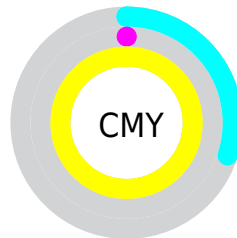
- Red (70%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (30%)



- Cyan (30%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 102.462, 120.260 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 92, 102.462, 120.260 by changing the saturation by 10% instead.


 92, 102.462,
120.260


 92, 102.462,
120.260


 100, 102.462,
120.260


 82, 102.462,
120.260


 72, 102.462,
120.260

 62, 102.462,
120.260

 52, 102.462,
120.260

 42, 102.462,
120.260

 32, 102.462,
120.260

 22, 102.462,

120.260

■ 12, 102.462,
120.260

■ 2, 102.462,
120.260

■ 92, 102.462,
120.260

■ 92, 102.462,
120.260

■ 92, 102.367,
120.283

■ 92, 99.251,
119.260

■ 93, 93.701,
118.675

■ 94, 85.663,
118.522

■ 94, 75.684,
118.690

■ 95, 64.357,
119.070

■ 96, 52.163,
119.573

■ 97, 39.437,
120.141

■ 98, 26.406,
120.733

■ 99, 13.223,
121.326

Harmonies

Complementary

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



92, 102.462, 120.260



36, 129.966, 308.182

Rectangle

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



92, 102.462, 120.260



92, 102.462, 170.260



92, 102.462, 300.260



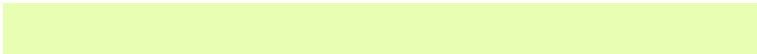
92, 102.462, 350.260

Sweetspot

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



92, 102.367, 120.283



97, 39.482, 120.141



58, 95.140, 46.781



51, 26.859, 119.897



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 102.367, 120.283



92, 102.478, 120.284



88, 117.752, 134.833



53, 7.526, 121.355



71, 82.407, 120.032



24, 36.997, 118.653

Inverse Universe

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



36, 129.966, 308.182



36, 130.106, 308.182



52, 117.711, 320.566



49, 7.670, 302.458



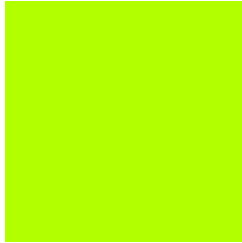
26, 104.579, 308.336



5, 44.758, 307.766

Previews

White Background



This preview shows how the CIELCh color 92, 102.462, 120.260 looks on a white background.

Color Contrast Check

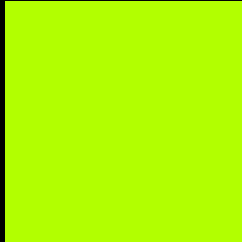
Large Text (above 18pt) WCAG AA × Fail

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 92, 102.462, 120.260 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 92, 102.462, 120.260

Background



This preview shows how black text looks on a background with the CIELCh color 92, 102.462, 120.260.

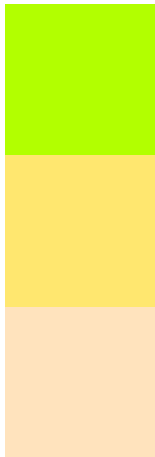


This preview shows how white text looks on a background with the CIELCh color 92, 102.462, 120.260.

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

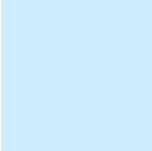
92, 102.462, 120.260

Protanopia

91, 60.655, 95.744

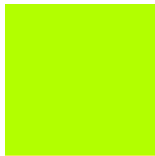
Deuteranopia

92, 22.452, 79.751



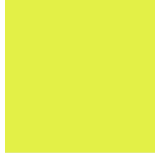
Tritanopia
92, 14.349, 239.519

Trichromacy



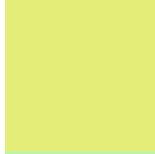
Original Color

92, 102.462, 120.260



Protanomaly

91, 79.286, 107.797



Deuteranomaly

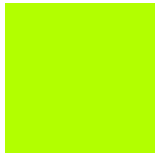
91, 58.330, 109.476



Tritanomaly

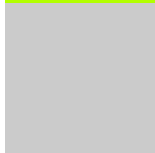
91, 45.252, 131.099

Monochromacy



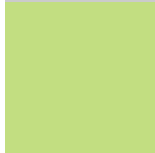
Original Color

92, 102.462, 120.260



Achromatopsia

82, 0.010, 296.813



Achromatomaly

85, 48.783, 119.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 102.462, 120.260 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(178, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 0)  
}
```

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(178, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 102.462, 120.260 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(178, 255, 0) }
```

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

```
.border{ border-color:rgb(178, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 102.462, 120.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 0) }
```

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

```
.background{ background-color: rgb(178,  
255, 0) }
```

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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