

Converting Colors

CIELCh(92, 102.521, 120.350)

Have a look what the booklet for
CIELCh(92, 102.521, 120.350)
contains.

CIELCh(92, 102.588, 120.451)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(92, 102.588, 120.451)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF00
RGB	177, 255, 0
RGB Percent	69%, 100%, 0%
CMY	0.3067, 0.0008, 1.0000
CMYK	0.31, 0.00, 1.00, 0.00
HSL	78°, 100%, 50%
HSV	78°, 100%, 100%
XYZ	53.7694, 80.7044, 12.7198
YIQ	202.6080, 35.3670, -95.8410

Conversions

Conversions Part 2

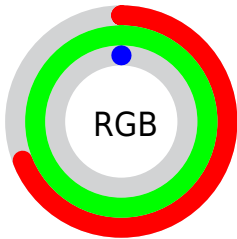
Format	Color
RYB	0, 255, 78
Decimal	11665152
CIELab	92.00, -51.99, 88.44
CIELCh	92, 102.588, 120.451
Yxy	80.7044, 0.3653, 0.5483
Android (android.graphics.Color)	4289855232 (0xFFB1FF00)
YUV	202.6080, -99.8857, -22.4582
Hunter-Lab	89.8356, -50.3746, 54.4901

Details

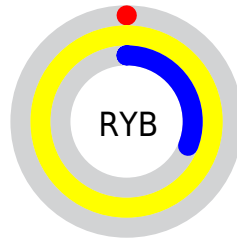
The CIELCh color **92, 102.588, 120.451** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **36, 129.943, 308.230**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 76.717, 109.547**, and **72, 87.563, 124.792** is the 20% darker color. If you saturate the color by 10%, you get **92, 102.535, 120.465**, and if you desaturate by 10%, it is **92, 99.400, 119.433**.

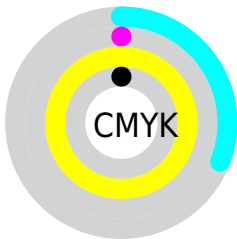
Distribution



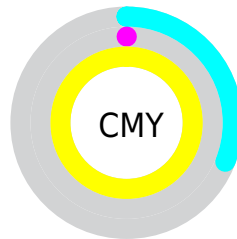
- Red (69%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (31%)



- Cyan (31%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 102.588, 120.451 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, 102.588, 120.451 by changing the saturation by 10% instead.


 92, 102.588,
120.451


 92, 102.588,
120.451


 100, 102.588,
120.451


 82, 102.588,
120.451


 72, 102.588,
120.451

 62, 102.588,
120.451

 52, 102.588,
120.451

 42, 102.588,
120.451

 32, 102.588,
120.451

 22, 102.588,

120.451

■ 12, 102.588,
120.451

■ 2, 102.588,
120.451

■ 92, 102.588,
120.451

■ 92, 102.588,
120.451

■ 92, 102.535,
120.465

■ 92, 99.400,
119.433

■ 93, 93.832,
118.842

■ 94, 85.777,
118.685

■ 94, 75.780,
118.849

■ 95, 64.436,
119.225

■ 96, 52.224,
119.726

■ 97, 39.482,
120.291

■ 98, 26.436,
120.880

■ 99, 13.237,
121.469

Harmonies

Complementary

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



92, 102.588, 120.451



36, 129.943, 308.230

Rectangle

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



92, 102.588, 120.451



92, 102.588, 170.451



92, 102.588, 300.451



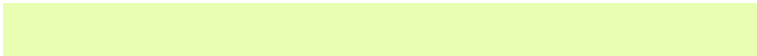
92, 102.588, 350.451

Sweetspot

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



92, 102.535, 120.465



97, 39.508, 120.291



58, 95.185, 46.780



51, 26.877, 120.048



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, 102.535, 120.465



92, 102.598, 120.465



88, 117.806, 134.833



53, 7.531, 121.498



71, 82.501, 120.211



24, 37.031, 118.823

Inverse Universe

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



36, 129.943, 308.230



36, 130.024, 308.229



52, 117.765, 320.566



49, 7.674, 302.594



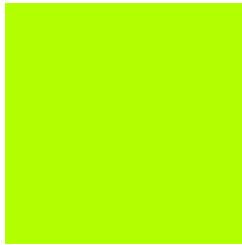
26, 104.511, 308.385



5, 44.765, 307.854

Previews

White Background



This preview shows how the CIELCh color 92, 102.588, 120.451 looks on a white background.

Color Contrast Check

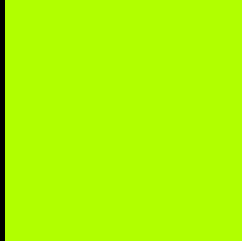
Large Text (above 18pt) WCAG AA × Fail

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 92, 102.588, 120.451 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, 102.588, 120.451

Background



This preview shows how black text looks on a background with the CIELCh color 92, 102.588, 120.451.

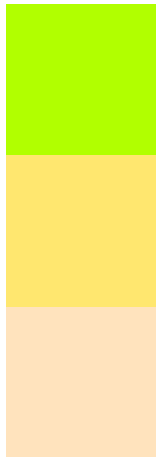


This preview shows how white text looks on a background with the CIELCh color 92, 102.588, 120.451.

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

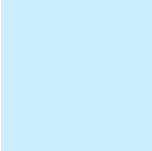
92, 102.588, 120.451

Protanopia

91, 60.655, 95.744

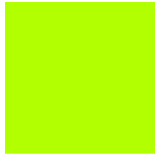
Deuteranopia

92, 22.452, 79.751



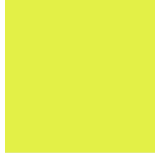
Tritanopia
92, 14.589, 238.707

Trichromacy



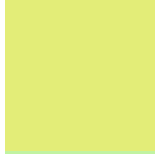
Original Color

92, 102.588, 120.451



Protanomaly

91, 79.286, 107.797



Deuteranomaly

91, 58.330, 109.476



Tritanomaly

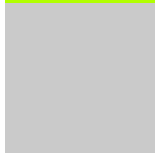
91, 45.412, 131.503

Monochromacy



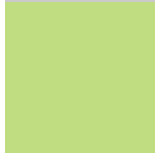
Original Color

92, 102.588, 120.451



Achromatopsia

81, 0.010, 296.813



Achromatomaly

84, 48.343, 119.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 102.588, 120.451 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, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 102.588, 120.451 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, 255, 0) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 102.588, 120.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 0) }
```

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

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