

Converting Colors

CIELCh(91, 98.870, 116.716)

Have a look what the booklet for
CIELCh(91, 98.870, 116.716)
contains.

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Color

CIELCh(91, 98.704, 116.922)

Conversions

Conversions Part 1

Format	Color
Hex	BEF900
RGB	190, 249, 0
RGB Percent	75%, 98%, 0%
CMY	0.2561, 0.0246, 1.0000
CMYK	0.24, 0.00, 1.00, 0.02
HSL	74°, 100%, 49%
HSV	74°, 100%, 98%
XYZ	54.9444, 78.4833, 12.2216
YIQ	202.9730, 44.7650, -89.9470

Conversions

Conversions Part 2

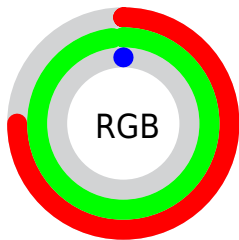
Format	Color
RYB	0, 249, 59
Decimal	12515584
CIELab	91.00, -44.69, 88.01
CIELCh	91, 98.704, 116.922
Yxy	78.4833, 0.3772, 0.5389
Android (android.graphics.Color)	4290705664 (0xFFBEF900)
YUV	202.9730, -100.0657, -11.3773
Hunter-Lab	88.5908, -44.3275, 53.8342

Details

The CIELCh color **91, 98.704, 116.922** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **33, 128.946, 307.466**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.778, 105.547**, and **71, 83.177, 121.008** is the 20% darker color. If you saturate the color by 10%, you get **91, 98.629, 116.939**, and if you desaturate by 10%, it is **91, 95.823, 116.089**.

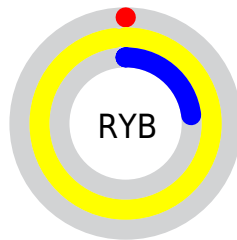
Distribution



Red (75%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (23%)

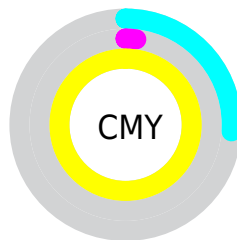


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (26%)


Magenta (2%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 98.704, 116.922 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 91, 98.704, 116.922 by changing the saturation by 10% instead.


 91, 98.704,
116.922


 91, 98.704,
116.922


 100, 98.704,
116.922


 81, 98.704,
116.922


 71, 98.704,
116.922

 61, 98.704,
116.922


 51, 98.704,
116.922

 41, 98.704,
116.922


 31, 98.704,
116.922


 21, 98.704,


116.922


 11, 98.704,
116.922


 1, 98.704, 116.922


 91, 98.704,
116.922


 91, 98.704,
116.922

 91, 98.629,
116.939

 91, 95.823,
116.089

 92, 90.613,
115.642

 92, 82.941,
115.592

 93, 73.346,
115.839

■ 94, 62.414,
116.285

■ 94, 50.619,
116.850

■ 95, 38.292,
117.478

■ 96, 25.654,
118.132

■ 97, 12.854,
118.788

Harmonies

Complementary

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



91, 98.704, 116.922



33, 128.946, 307.466

Rectangle

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



91, 98.704, 116.922



91, 98.704, 166.922



91, 98.704, 296.922



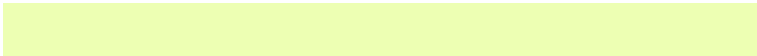
91, 98.704, 346.922

Sweetspot

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



91, 98.629, 116.939



97, 39.072, 117.476



55, 96.573, 44.123



51, 26.574, 117.206



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 98.629, 116.939



93, 100.519, 116.956



86, 114.337, 133.935



52, 7.335, 118.820



71, 80.063, 116.727



24, 35.253, 115.657

Inverse Universe

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



33, 128.946, 307.466



34, 131.423, 307.456



48, 116.907, 318.277



48, 7.485, 300.059



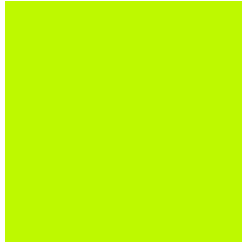
24, 104.597, 307.592



4, 42.663, 305.755

Previews

White Background



This preview shows how the CIELCh color 91, 98.704, 116.922 looks on a white background.

Color Contrast Check

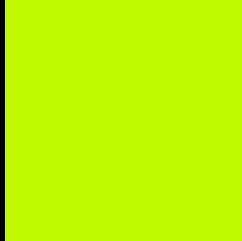
Large Text (above 18pt) WCAG AA × Fail

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 91, 98.704, 116.922 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 91, 98.704, 116.922

Background



This preview shows how black text looks on a background with the CIELCh color 91, 98.704, 116.922.



This preview shows how white text looks on a background with the CIELCh color 91, 98.704, 116.922.

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](#).

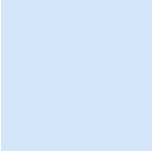
Dichromacy



Original Color
91, 98.704, 116.922

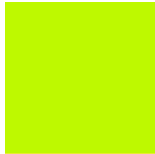
Protanopia
91, 73.159, 95.505

Deuteranopia
91, 25.404, 79.828



Tritanopia
91, 11.606, 257.556

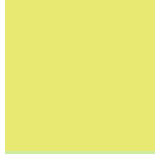
Trichromacy



Original Color
91, 98.704, 116.922



Protanomaly
90, 83.986, 104.860



Deuteranomaly
90, 58.743, 106.167

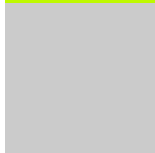


Tritanomaly
90, 41.768, 124.698

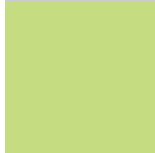
Monochromacy



Original Color
91, 98.704, 116.922



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 47.360, 116.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 98.704, 116.922 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(190, 249, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 249, 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(190, 249, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 249, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 98.704, 116.922 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(190, 249, 0) }
```

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

```
.border{ border-color:rgb(190, 249, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 249, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 249, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 249, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 249,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 98.704, 116.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 249, 0) }
```

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

```
.background{ background-color: rgb(190,  
249, 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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