

Converting Colors

CIELCh(90, 109.335, 128.273)

Have a look what the booklet for
CIELCh(90, 109.335, 128.273)
contains.

CIELCh(90, 109.303, 128.322)	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(90, 109.303, 128.322)

Conversions

Conversions Part 1

Format	Color
Hex	80FF02
RGB	128, 255, 2
RGB Percent	50%, 100%, 1%
CMY	0.4969, 0.0000, 0.9920
CMYK	0.50, 0.00, 0.99, 0.00
HSL	90°, 100%, 50%
HSV	90°, 99%, 100%
XYZ	44.8001, 76.3034, 12.4242
YIQ	188.1850, 5.5210, -105.6070

Conversions

Conversions Part 2

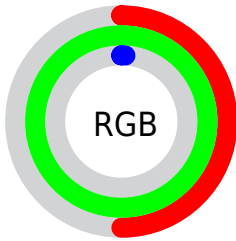
Format	Color
R_{YB}	2, 255, 129
Decimal	8453890
CIE _{Lab}	90.00, -67.78, 85.75
CIE _{LCh}	90, 109.303, 128.322
Yxy	76.3034, 0.3355, 0.5714
Android (android.graphics.Color)	4286643970 (0xFF80FF02)
YUV	188.1850, -91.7892, -52.7822
Hunter-Lab	87.3518, -61.3184, 52.7133

Details

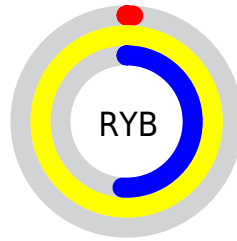
The CIELCh color **90, 109.303, 128.322** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **41, 124.685, 311.748**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 80.872, 122.531**, and **70, 95.300, 133.396** is the 20% darker color. If you saturate the color by 10%, you get **90, 109.471, 128.398**, and if you desaturate by 10%, it is **90, 105.148, 127.181**.

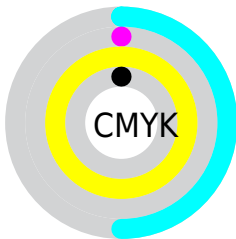
Distribution



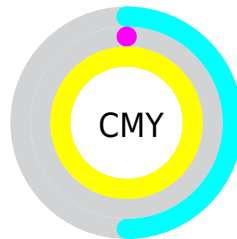
- Red (50%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (51%)



- Cyan (50%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 109.303, 128.322 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, 109.303, 128.322 by changing the saturation by 10% instead.


 90, 109.303,
128.322


 90, 109.303,
128.322


 100, 109.303,
128.322


 80, 109.303,
128.322

 70, 109.303,
128.322

 60, 109.303,
128.322

 50, 109.303,
128.322

 40, 109.303,
128.322

 30, 109.303,
128.322

 20, 109.303,

128.322

■ 10, 109.303,
128.322

■ 0, 109.303,
128.322

■ 90, 109.303,
128.322

■ 90, 109.303,
128.322

■ 90, 109.471,
128.398

■ 90, 105.148,
127.181

■ 91, 98.580,
126.532

■ 92, 89.577,
126.338

■ 93, 78.705,
126.470

■ 94, 66.552,
126.804

■ 95, 53.587,
127.245

■ 96, 40.142,
127.730

■ 97, 26.447,
128.223

■ 99, 12.659,
128.702

Harmonies

Complementary

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



90, 109.303, 128.322



41, 124.685, 311.748

Rectangle

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



90, 109.303, 128.322



90, 109.303, 178.322



90, 109.303, 308.322



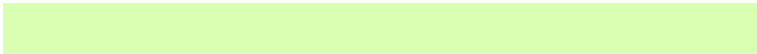
90, 109.303, 358.322

Sweetspot

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



90, 109.196, 128.305



96, 41.228, 127.691



67, 85.203, 60.007



51, 28.072, 127.484



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, 109.196, 128.305



90, 109.471, 128.398



88, 119.615, 136.037



53, 7.823, 128.688



69, 87.926, 128.114



23, 39.114, 126.564

Inverse Universe

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



41, 124.685, 311.748



41, 125.025, 311.695



60, 115.434, 328.229



49, 7.932, 309.519



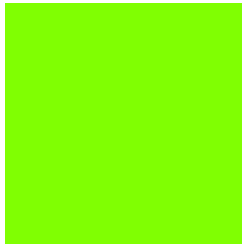
30, 100.513, 311.891



6, 44.900, 312.903

Previews

White Background



This preview shows how the CIE LCh color 90, 109.303, 128.322 looks on a white background.

Color Contrast Check

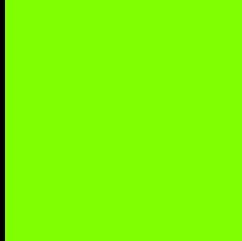
Large Text (above 18pt) WCAG AA × Fail

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, 109.303, 128.322 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, 109.303, 128.322

Background



This preview shows how black text looks on a background with the CIELCh color 90, 109.303, 128.322.



This preview shows how white text looks on a background with the CIELCh color 90, 109.303, 128.322.

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, 109.238, 128.341

Protanopia

89, 89.056, 95.021

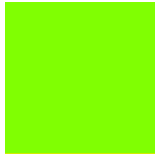
Deuteranopia

89, 30.223, 79.608



Tritanopia
90, 23.915, 221.326

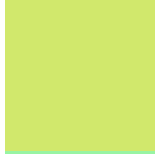
Trichromacy



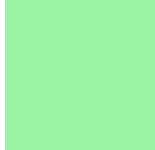
Original Color
90, 109.238, 128.341



Protanomaly
89, 92.246, 110.187



Deuteranomaly
88, 62.207, 113.813

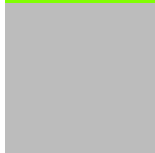


Tritanomaly
89, 53.275, 144.907

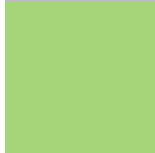
Monochromacy



Original Color
90, 109.238, 128.341



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 50.887, 127.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 109.303, 128.322 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(128, 255, 2)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 2)  
}
```

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(128, 255, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 109.303, 128.322 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(128, 255, 2) }
```

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

```
.border{ border-color:rgb(128, 255, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 109.303, 128.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 2) }
```

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

```
.background{ background-color: rgb(128,  
255, 2) }
```

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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