

Converting Colors

CIELCh(90, 109.262, 128.204)

Have a look what the booklet for
CIELCh(90, 109.262, 128.204)
contains.

CIELCh(90, 109.163, 128.192)	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, 109.163, 128.192)

Conversions

Conversions Part 1

Format	Color
Hex	81FF02
RGB	129, 255, 2
RGB Percent	51%, 100%, 1%
CMY	0.4935, 0.0000, 0.9936
CMYK	0.49, 0.00, 0.99, 0.00
HSL	90°, 100%, 50%
HSV	90°, 99%, 100%
XYZ	44.8973, 76.3034, 12.4075
YIQ	188.4840, 6.1170, -105.3950

Conversions

Conversions Part 2

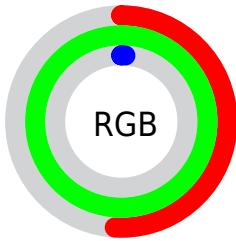
Format	Color
R_{YB}	2, 255, 128
Decimal	8519426
CIE _{Lab}	90.00, -67.50, 85.80
CIE _{LCh}	90, 109.163, 128.192
Yxy	76.3034, 0.3360, 0.5711
Android (android.graphics.Color)	4286709506 (0xFF81FF02)
YUV	188.4840, -91.9366, -52.1675
Hunter-Lab	87.3518, -61.1197, 52.7247

Details

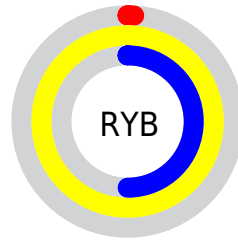
The CIELCh color **90, 109.163, 128.192** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **41, 124.868, 311.641**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 80.744, 122.286**, and **70, 95.087, 133.216** is the 20% darker color. If you saturate the color by 10%, you get **90, 109.318, 128.257**, and if you desaturate by 10%, it is **90, 105.091, 127.051**.

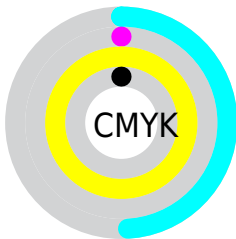
Distribution



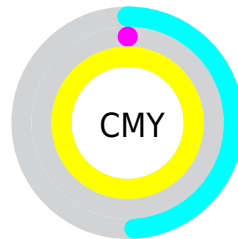
- Red (51%)
- Green (100%)
- Blue (1%)



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



- Cyan (49%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 109.163, 128.192 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, 109.163, 128.192 by changing the saturation by 10% instead.

■ 90, 109.163,
128.192

■ 90, 109.163,
128.192

■ 100, 109.163,
128.192

■ 80, 109.163,
128.192

■ 70, 109.163,
128.192

■ 60, 109.163,
128.192

■ 50, 109.163,
128.192

■ 40, 109.163,
128.192

■ 30, 109.163,
128.192

■ 20, 109.163,

128.192

■ 10, 109.163,
128.192

■ 0, 109.163,
128.192

■ 90, 109.163,
128.192

■ 90, 109.163,
128.192

■ 90, 109.318,
128.257

■ 90, 105.091,
127.051

■ 91, 98.578,
126.392

■ 92, 89.625,
126.189

■ 93, 78.794,
126.315

■ 94, 66.675,
126.645

■ 95, 53.736,
127.084

■ 96, 40.313,
127.570

■ 97, 26.637,
128.063

■ 99, 12.865,
128.544

Harmonies

Complementary

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



90, 109.163, 128.192



41, 124.868, 311.641

Rectangle

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



90, 109.163, 128.192



90, 109.163, 178.192



90, 109.163, 308.192



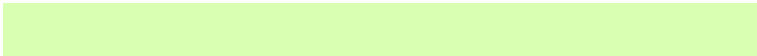
90, 109.163, 358.192

Sweetspot

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



90, 109.098, 128.182



96, 41.184, 127.538



66, 85.914, 58.605



51, 28.041, 127.331



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, 109.098, 128.182



90, 109.318, 128.257



88, 119.572, 135.987



53, 7.816, 128.537



69, 87.805, 127.972



23, 39.065, 126.419

Inverse Universe

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



41, 124.868, 311.641



41, 125.142, 311.598



60, 115.542, 327.562



49, 7.925, 309.372



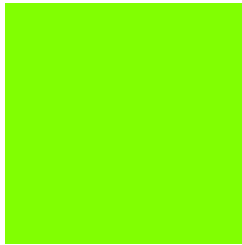
30, 100.605, 311.794



6, 44.904, 312.785

Previews

White Background



This preview shows how the CIE LCh color 90, 109.163, 128.192 looks on a white background.

Color Contrast Check

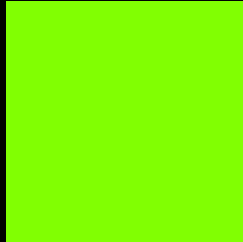
Large Text (above 18pt) WCAG AA × Fail

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, 109.163, 128.192 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, 109.163, 128.192

Background



This preview shows how black text looks on a background with the CIELCh color 90, 109.163, 128.192.

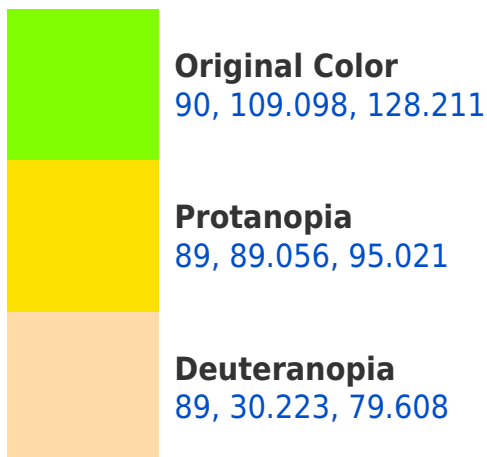



This preview shows how white text looks on a background with the CIELCh color 90, 109.163,

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](#).

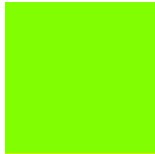
Dichromacy





Tritanopia
90, 23.667, 221.598

Trichromacy



Original Color
90, 109.098, 128.211



Protanomaly
89, 92.246, 110.187

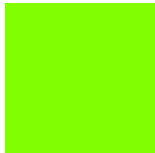


Deuteranomaly
88, 62.207, 113.813

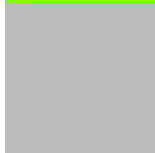


Tritanomaly
89, 53.074, 144.663

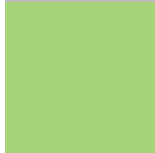
Monochromacy



Original Color
90, 109.098, 128.211



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 50.741, 126.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 109.163, 128.192 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(129, 255, 2)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 255, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 109.163, 128.192 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(129, 255, 2) }
```

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

```
.border{ border-color:rgb(129, 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(129, 255, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 109.163, 128.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 2) }
```

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

```
.background{ background-color: rgb(129,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor