

Converting Colors

CIELCh(90, 109.113, 128.065)

Have a look what the booklet for
CIELCh(90, 109.113, 128.065)
contains.

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Color

CIELCh(90, 109.087, 128.041)

Conversions

Conversions Part 1

Format	Color
Hex	82FF00
RGB	130, 255, 0
RGB Percent	51%, 100%, 0%
CMY	0.4900, 0.0000, 0.9991
CMYK	0.49, 0.00, 1.00, 0.00
HSL	89°, 100%, 50%
HSV	89°, 100%, 100%
XYZ	44.9919, 76.3034, 12.3624
YIQ	188.5550, 7.3550, -105.8050

Conversions

Conversions Part 2

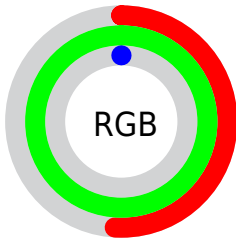
Format	Color
RYB	0, 255, 125
Decimal	8584960
CIELab	90.00, -67.22, 85.91
CIELCh	90, 109.087, 128.041
Yxy	76.3034, 0.3366, 0.5709
Android (android.graphics.Color)	4286775040 (0xFF82FF00)
YUV	188.5550, -92.9576, -51.3527
Hunter-Lab	87.3518, -60.9265, 52.7553

Details

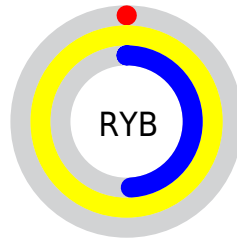
The CIELCh color **90, 109.087, 128.041** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **41, 125.272, 311.465**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 80.984, 121.937**, and **70, 94.979, 133.123** is the 20% darker color. If you saturate the color by 10%, you get **90, 109.096, 128.049**, and if you desaturate by 10%, it is **91, 105.166, 126.890**.

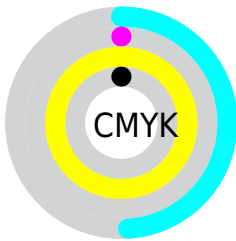
Distribution



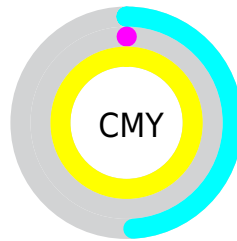
- Red (51%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (49%)



- Cyan (49%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 109.087, 128.041 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, 109.087, 128.041 by changing the saturation by 10% instead.


 90, 109.087,
128.041


 90, 109.087,
128.041


 100, 109.087,
128.041


 80, 109.087,
128.041


 70, 109.087,
128.041

 60, 109.087,
128.041

 50, 109.087,
128.041

 40, 109.087,
128.041

 30, 109.087,
128.041

 20, 109.087,

128.041

■ 10, 109.087,
128.041

■ 0, 109.087,
128.041

■ 90, 109.087,
128.041

■ 90, 109.087,
128.041

■ 90, 109.096,
128.049

■ 91, 105.166,
126.890

■ 91, 98.819,
126.199

■ 92, 90.010,
125.972

■ 93, 79.289,
126.081

■ 94, 67.251,
126.401

■ 95, 54.372,
126.836

■ 96, 40.994,
127.320

■ 97, 27.350,
127.815

■ 99, 13.601,
128.298

Harmonies

Complementary

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



90, 109.087, 128.041



41, 125.272, 311.465

Rectangle

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



90, 109.087, 128.041



90, 109.087, 178.041



90, 109.087, 308.041



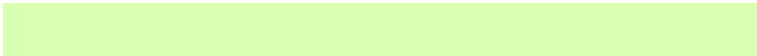
90, 109.087, 358.041

Sweetspot

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



90, 109.064, 128.038



96, 41.119, 127.316



66, 86.199, 58.455



51, 27.996, 127.108



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, 109.064, 128.038



90, 109.096, 128.049



88, 119.683, 135.972



53, 7.805, 128.317



69, 87.628, 127.764



24, 38.994, 126.206

Inverse Universe

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



41, 125.272, 311.465



41, 125.312, 311.459



60, 115.635, 327.562



49, 7.916, 309.157



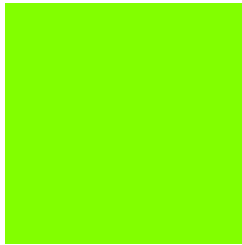
30, 100.740, 311.655



6, 44.909, 312.615

Previews

White Background



This preview shows how the CIELCh color 90, 109.087, 128.041 looks on a white background.

Color Contrast Check

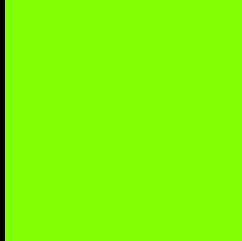
Large Text (above 18pt) WCAG AA × Fail

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, 109.087, 128.041 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, 109.087, 128.041

Background



This preview shows how black text looks on a background with the CIELCh color 90, 109.087, 128.041.

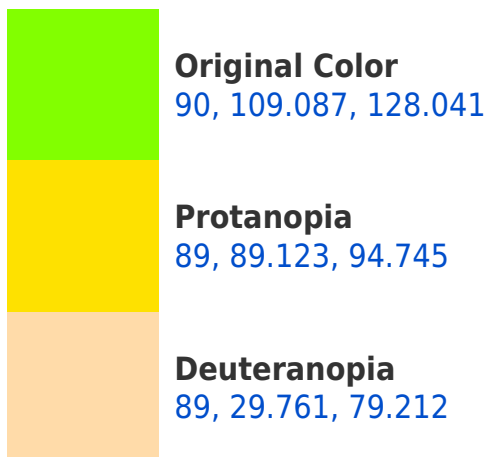


This preview shows how white text looks on a background with the CIELCh color 90, 109.087,

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](#).

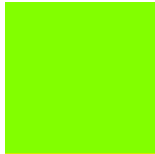
Dichromacy





Tritanopia
90, 23.667, 221.598

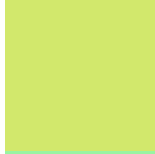
Trichromacy



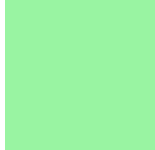
Original Color
90, 109.087, 128.041



Protanomaly
89, 92.261, 109.922

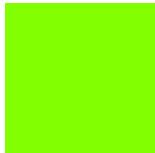


Deuteranomaly
88, 62.142, 113.448

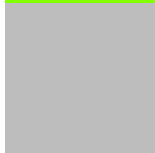


Tritanomaly
89, 53.485, 144.341

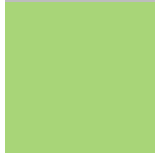
Monochromacy



Original Color
90, 109.087, 128.041



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 51.163, 126.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 109.087, 128.041 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(130, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 109.087, 128.041 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(130, 255, 0) }
```

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

```
.border{ border-color:rgb(130, 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(130, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255,  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 109.087, 128.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 0) }
```

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

```
.background{ background-color: rgb(130,  
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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