

Converting Colors

CIELCh(88, 119.577, 135.894)

Have a look what the booklet for
CIELCh(88, 119.577, 135.894)
contains.

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Color

CIELCh(88, 119.310, 135.909)

Conversions

Conversions Part 1

Format	Color
Hex	12FF05
RGB	18, 255, 5
RGB Percent	7%, 100%, 2%
CMY	0.9283, 0.0000, 0.9789
CMYK	0.93, 0.00, 0.98, 0.00
HSL	117°, 100%, 51%
HSV	117°, 98%, 100%
XYZ	36.2453, 72.0653, 12.1527
YIQ	155.6370, -61.0020, -127.9940

Conversions

Conversions Part 2

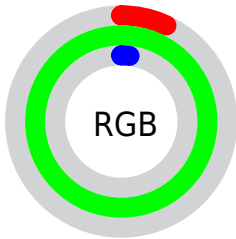
Format	Color
R _Y B	5, 255, 242
Decimal	1244933
CIE Lab	88.00, -85.69, 83.02
CIE LCh	88, 119.310, 135.909
Yxy	72.0653, 0.3009, 0.5982
Android (android.graphics.Color)	4279435013 (0xFF12FF05)
YUV	155.6370, -74.2640, -120.7076
Hunter-Lab	84.8913, -72.3472, 50.9361

Details

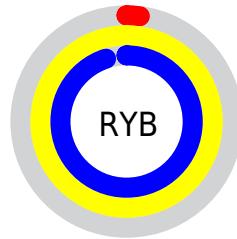
The CIELCh color **88, 119.310, 135.909** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **58, 115.514, 326.189**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.480, 135.315**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 119.537, 135.870**, and if you desaturate by 10%, it is **88, 115.703, 136.103**.

Distribution



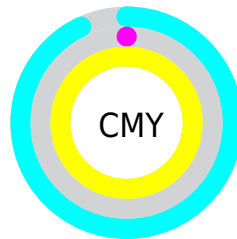
- Red (7%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (95%)



- Cyan (93%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)



- Cyan (93%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 119.310, 135.909 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 88, 119.310, 135.909 by changing the saturation by 10% instead.

■ 88, 119.310,
135.909

■ 88, 119.310,
135.909

■ 100, 119.310,
135.909

■ 78, 119.310,
135.909

■ 68, 119.310,
135.909

■ 58, 119.310,
135.909

■ 48, 119.310,
135.909

■ 38, 119.310,
135.909

■ 28, 119.310,
135.909

■ 18, 119.310,

135.909

■ 8, 119.310,
135.909

■ 0, 119.310,
135.909

■ 88, 119.310,
135.909

■ 88, 119.310,
135.909

■ 88, 119.537,
135.870

■ 88, 115.703,
136.103

■ 88, 109.124,
136.655

■ 89, 99.563,
137.493

■ 90, 87.639,
138.472

■ 91, 74.013,
139.469

■ 92, 59.257,
140.410

■ 94, 43.833,
141.255

■ 96, 28.101,
141.996

■ 98, 12.332,
142.642

Harmonies

Complementary

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



88, 119.310, 135.909



58, 115.514, 326.189

Rectangle

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



88, 119.310, 135.909



88, 119.310, 185.909



88, 119.310, 315.909



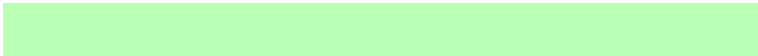
88, 119.310, 5.909

Sweetspot

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



88, 119.081, 135.909



94, 45.559, 141.167



93, 91.962, 98.445



49, 31.211, 140.814



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 119.081, 135.909



88, 119.537, 135.870



88, 94.883, 146.017



52, 8.892, 142.543



68, 96.202, 135.811



23, 43.401, 136.062

Inverse Universe

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



58, 115.514, 326.189



58, 115.893, 326.163



56, 85.896, 355.864



50, 8.913, 323.524



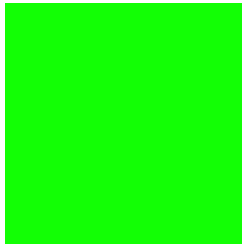
44, 93.340, 326.198



12, 42.923, 326.440

Previews

White Background



This preview shows how the CIELCh color 88, 119.310, 135.909 looks on a white background.

Color Contrast Check

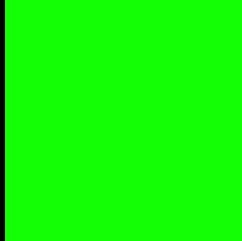
Large Text (above 18pt) WCAG AA × Fail

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 88, 119.310, 135.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

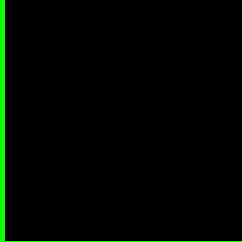
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

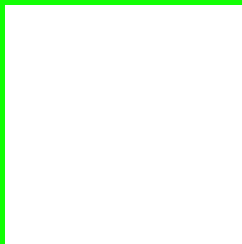
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 119.310, 135.909

Background



This preview shows how black text looks on a background with the CIELCh color 88, 119.310, 135.909.



This preview shows how white text looks on a background with the CIELCh color 88, 119.310, 135.909.

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

88, 119.112, 135.906

Protanopia

87, 87.019, 94.788

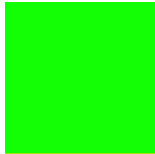
Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 34.988, 214.035

Trichromacy



Original Color

88, 119.112, 135.906



Protanomaly

84, 94.654, 119.848



Deuteranomaly

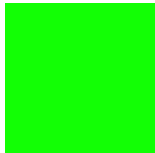
84, 70.190, 123.990



Tritanomaly

86, 65.295, 156.484

Monochromacy



Original Color

88, 119.112, 135.906



Achromatopsia

64, 0.008, 296.813



Achromatomaly

71, 58.232, 139.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 119.310, 135.909 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(18, 255, 5)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 5)  
}
```

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(18, 255, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 119.310, 135.909 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(18, 255, 5) }
```

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

```
.border{ border-color:rgb(18, 255, 5) }
```

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

Here you see how a box with a 4 pixel rgb(18, 255, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 5);  
box-shadow:4px 4px 4px 4px rgb(18, 255, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 119.310, 135.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 5) }
```

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

```
.background{ background-color: rgb(18, 255,  
5) }
```

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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