Converting Colors

CIELCh(88, 117.553, 134.622)

Have a look what the booklet for CIELCh(88, 117.553, 134.622) contains.

Color

CIELCh(88, 117.597, 134.651)

Conversions

Conversions Part 1

Format	Color
Hex	36FF00
RGB	54, 255, 0
RGB Percent	21%, 100%, 0%
CMY	0.7872, 0.0015, 1.0000
CMYK	0.79, 0.00, 1.00, 0.00
HSL	107°, 100%, 50%
HSV	107°, 100%, 100%
XYZ	37.1668, 72.0653, 11.9110
YIQ	165.8310, -37.9410, -121.9170

Conversions

Conversions Part 2

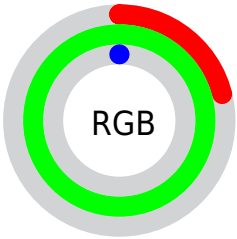
Format	Color
RYB	0, 255, 201
Decimal	3604224
CIELab	88.00, -82.65, 83.66
CIELCh	88, 117.597, 134.651
Yxy	72.0653, 0.3068, 0.5949
Android (android.graphics.Color)	4281794304 (0xFF36FF00)
YUV	165.8310, -81.7547, -98.0758
Hunter-Lab	84.8913, -70.4095, 51.1050

Details

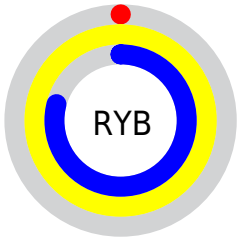
The CIELCh color 88, 117.597, 134.651 is a dark color, and the websafe version is hex 33FF00. The color can be described as dark saturated green. A complement of this color would be 51, 117.944, 320.100, and the grayscale version is 68, 0.008, 296.813.

A 20% lighter version of the original color is 91, 89.809, 133.291, and 69, 98.257, 136.016 is the 20% darker color. If you saturate the color by 10%, you get 88, 117.511, 134.681, and if you desaturate by 10%, it is 88, 113.777, 134.217.

Distribution

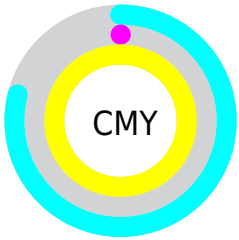


- Red (21%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (79%)

- Cyan (79%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (79%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 117.597, 134.651 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, 117.597, 134.651 by changing the saturation by 10% instead.

88, 117.597, 134.651

100, 117.597, 134.651

88, 117.597, 134.651

78, 117.597, 134.651

68, 117.597, 134.651

58, 117.597, 134.651

48, 117.597, 134.651

38, 117.597, 134.651

28, 117.597, 134.651

18, 117.597,

134.651

8, 117.597, 134.651

0, 117.597, 134.651

88, 117.597, 134.651

88, 117.511, 134.681

88, 117.597, 134.651

88, 113.777, 134.217

89, 107.236, 134.106

90, 97.915, 134.371

90, 86.410, 134.886

92, 73.370, 135.523

93, 59.335, 136.192

94, 44.715, 136.838

96, 29.814, 137.433

98, 14.853, 137.970

Harmonies

Complementary

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

88, 117.597, 134.651

51, 117.944, 320.100

Rectangle

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

88, 117.597, 134.651

88, 117.597, 184.651

88, 117.597, 314.651

88, 117.597, 4.651

Sweetspot

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

88, 117.511, 134.681

94, 44.769, 136.838

83, 84.607, 86.032

50, 30.501, 136.571

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, 117.511, 134.681

88, 117.644, 134.681

88, 108.147, 140.251

52, 8.452, 137.995

68, 94.550, 134.515

23, 42.138, 133.749

Inverse Universe

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

51, 117.944, 320.100

51, 118.077, 320.099

57, 92.866, 344.076

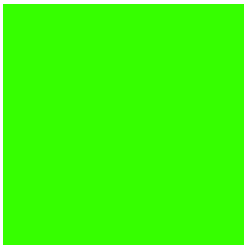
50, 8.503, 318.818

38, 95.050, 320.228

9, 43.563, 321.128

Previews

White Background

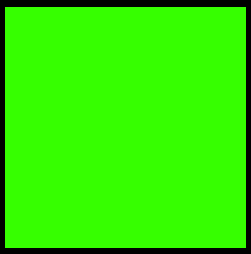


This preview shows how the CIELCh color 88, 117.597, 134.651 looks on a white background.

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



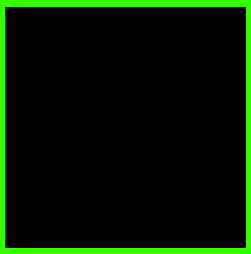
This preview shows how the CIELCh color 88, 117.597, 134.651 looks on a black background.

Color Contrast Check

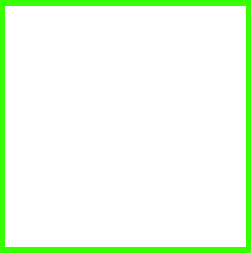
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 88, 117.597, 134.651 Background



This preview shows how black text looks on a background with the CIELCh color 88, 117.597, 134.651.



This preview shows how white text looks on a background with the CIELCh color 88, 117.597,

134.651.

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

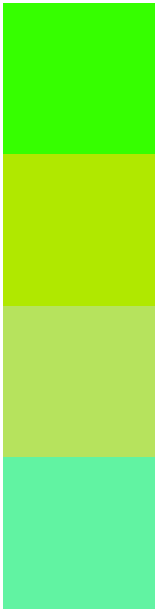
Original Color
88, 117.670, 134.698

Protanopia
87, 87.243, 95.106

Deuteranopia
87, 38.818, 80.166

Tritanopia
88, 33.655, 214.789

Trichromacy



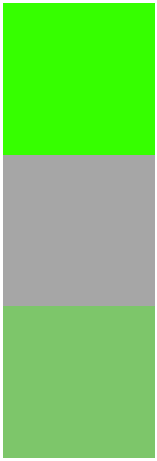
Original Color
88, 117.670, 134.698

Protanomaly
85, 93.657, 117.108

Deuteranomaly
85, 68.547, 120.134

Tritanomaly
87, 63.404, 154.107

Monochromacy



Original Color
88, 117.670, 134.698

Achromatopsia
68, 0.008, 296.813

Achromatomaly
73, 56.004, 135.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 117.597, 134.651 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(54, 255, 0) looks like.

```
.text, #text, p{
    color:rgb(54, 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(54, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 117.597, 134.651 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(54, 255, 0) }
```

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

```
.border{ border-color:rgb(54, 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(54, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 255, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 255, 0); box-shadow:4px 4px 4px 4px rgb(54, 255, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 117.597, 134.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(54, 255, 0) }
```

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

```
.background{ background-color:rgb(54, 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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