

Converting Colors

CIELCh(88, 117.632, 135.624)

Have a look what the booklet for
CIELCh(88, 117.632, 135.624)
contains.

CIELCh(88, 117.628, 135.623)	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(88, 117.628, 135.623)

Conversions

Conversions Part 1

Format	Color
Hex	27FF0F
RGB	39, 255, 15
RGB Percent	15%, 100%, 6%
CMY	0.8460, 0.0000, 0.9397
CMYK	0.85, 0.00, 0.94, 0.00
HSL	114°, 100%, 53%
HSV	114°, 94%, 100%
XYZ	36.7326, 72.0653, 12.4388
YIQ	163.0560, -51.6960, -120.4320

Conversions

Conversions Part 2

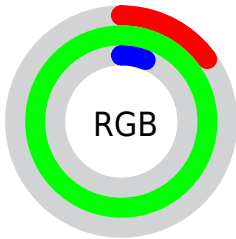
Format	Color
R_YB	15, 255, 231
Decimal	2621199
CIE _{Lab}	88.00, -84.08, 82.27
CIE _{LCh}	88, 117.628, 135.623
Yxy	72.0653, 0.3030, 0.5944
Android (android.graphics.Color)	4280811279 (0xFF27FF0F)
YUV	163.0560, -72.9916, -108.7971
Hunter-Lab	84.8913, -71.3225, 50.7364

Details

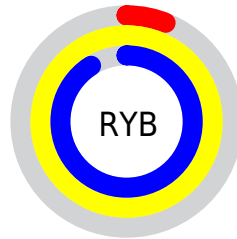
The CIELCh color **88, 117.628, 135.623** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **57, 115.127, 324.450**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.523, 134.880**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 119.192, 135.659**, and if you desaturate by 10%, it is **88, 112.716, 135.761**.

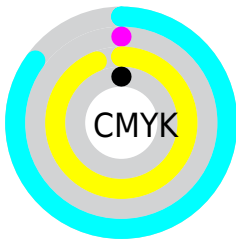
Distribution



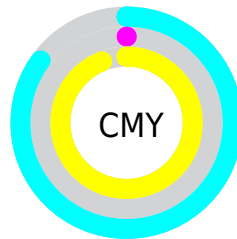
- Red (15%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (91%)



- Cyan (85%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 117.628, 135.623 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, 117.628, 135.623 by changing the saturation by 10% instead.


 88, 117.628,
135.623


 88, 117.628,
135.623


 100, 117.628,
135.623


 78, 117.628,
135.623


 68, 117.628,
135.623

 58, 117.628,
135.623


 48, 117.628,
135.623


 38, 117.628,
135.623

 28, 117.628,
135.623


 18, 117.628,


135.623


 8, 117.628,
135.623


 0, 117.628,
135.623


 88, 117.628,
135.623


 88, 117.628,
135.623

 88, 119.192,
135.659

 88, 112.716,
135.761

 89, 104.713,
136.263

 90, 94.048,
137.016

 91, 81.389,
137.883

■ 92, 67.358,
138.760

■ 93, 52.465,
139.583

■ 95, 37.103,
140.324

■ 97, 21.571,
140.977

■ 99, 6.089, 141.568

Harmonies

Complementary

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



88, 117.628, 135.623



57, 115.127, 324.450

Rectangle

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



88, 117.628, 135.623



88, 117.628, 185.623



88, 117.628, 315.623



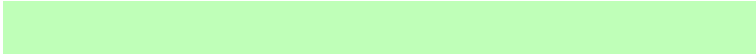
88, 117.628, 5.623

Sweetspot

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



88, 117.583, 135.623



94, 43.326, 140.036



91, 89.319, 96.316



50, 29.875, 139.712



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, 117.583, 135.623



88, 119.192, 135.659



88, 95.491, 145.499



52, 8.756, 141.243



68, 95.884, 135.568



23, 43.022, 135.399

Inverse Universe

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



57, 115.127, 324.450



56, 116.365, 324.289



56, 86.968, 351.722



50, 8.785, 322.167



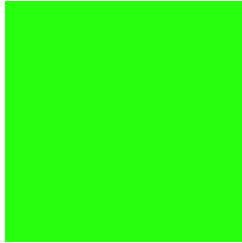
42, 93.709, 324.355



11, 43.063, 324.811

Previews

White Background



This preview shows how the CIELCh color 88, 117.628, 135.623 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, 117.628, 135.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

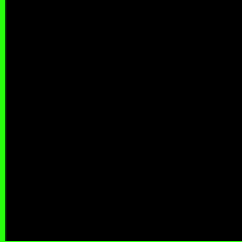
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

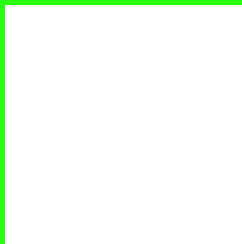
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 117.628, 135.623

Background



This preview shows how black text looks on a background with the CIELCh color 88, 117.628, 135.623.



This preview shows how white text looks on a background with the CIELCh color 88, 117.628, 135.623.

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, 117.628, 135.623

Protanopia

87, 87.243, 95.106

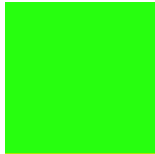
Deuteranopia

87, 39.060, 79.611



Tritanopia
88, 34.235, 214.454

Trichromacy



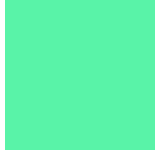
Original Color
88, 117.628, 135.623



Protanomaly
85, 93.766, 118.339

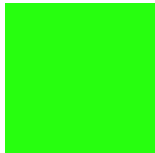


Deuteranomaly
85, 67.110, 122.297

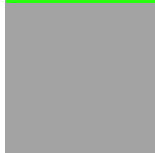


Tritanomaly
87, 62.389, 156.917

Monochromacy



Original Color
88, 117.628, 135.623



Achromatopsia
67, 0.008, 296.813



Achromatomaly
73, 54.872, 138.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 117.628, 135.623 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(39, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(39, 255, 15)  
}
```

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(39, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 255, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 117.628, 135.623 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(39, 255, 15) }
```

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

```
.border{ border-color:rgb(39, 255, 15) }
```

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

Here you see how a box with a 4 pixel rgb(39, 255, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(39, 255,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 117.628, 135.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 255, 15) }
```

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

```
.background{ background-color: rgb(39, 255,  
15) }
```

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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