

Converting Colors

CIELCh(88, 112.548, 134.983)

Have a look what the booklet for
CIELCh(88, 112.548, 134.983)
contains.

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Color

CIELCh(88, 112.714, 135.010)

Conversions

Conversions Part 1

Format	Color
Hex	45FE23
RGB	69, 254, 35
RGB Percent	27%, 100%, 14%
CMY	0.7312, 0.0051, 0.8645
CMYK	0.73, 0.00, 0.86, 0.01
HSL	111°, 99%, 57%
HSV	111°, 86%, 99%
XYZ	38.0677, 72.0653, 13.4572
YIQ	173.7190, -39.9610, -107.3290

Conversions

Conversions Part 2

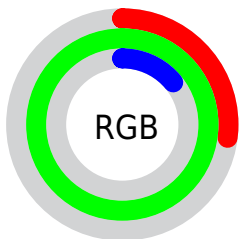
Format	Color
R_{YB}	35, 254, 220
Decimal	4587043
CIE _{Lab}	88.00, -79.71, 79.69
CIE _{LCh}	88, 112.714, 135.010
Yxy	72.0653, 0.3080, 0.5831
Android (android.graphics.Color)	4282777123 (0xFF45FE23)
YUV	173.7190, -68.3885, -91.8386
Hunter-Lab	84.8913, -68.5151, 50.0251

Details

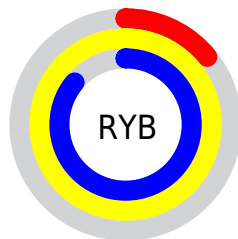
The CIELCh color **88, 112.714, 135.010** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56, 112.294, 322.681**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 84.274, 133.639**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.087, 135.179**, and if you desaturate by 10%, it is **89, 105.269, 135.236**.

Distribution



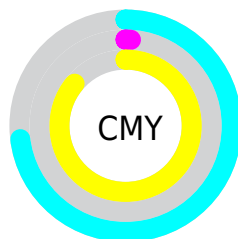
- Red (27%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (86%)
- Black (1%)





- Cyan (73%)
- Magenta (1%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 112.714, 135.010 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, 112.714, 135.010 by changing the saturation by 10% instead.


 88, 112.714,
135.010


 88, 112.714,
135.010


 100, 112.714,
135.010


 78, 112.714,
135.010


 68, 112.714,
135.010

 58, 112.714,
135.010

 48, 112.714,
135.010

 38, 112.714,
135.010

 28, 112.714,
135.010

 18, 112.714,

135.010

■ 8, 112.714,
135.010

■ 0, 112.714,
135.010

■ 88, 112.714,
135.010

■ 88, 112.714,
135.010

■ 88, 117.087,
135.179

■ 89, 105.269,
135.236

■ 88, 118.113,
135.271

■ 89, 95.137,
135.769

■ 90, 82.969,
136.475

■ 91, 69.394,
137.240

■ 93, 54.926,
137.988

■ 94, 39.956,
138.681

■ 96, 24.777,
139.301

■ 98, 9.603, 139.857

100, 0.809,
324.087

Harmonies

Complementary

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



88, 112.714, 135.010



56, 112.294, 322.681

Rectangle

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



88, 112.714, 135.010



88, 112.714, 185.010



88, 112.714, 315.010



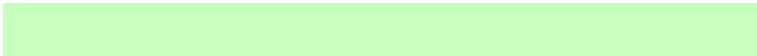
88, 112.714, 5.010

Sweetspot

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



88, 112.714, 135.011



95, 39.536, 138.706



87, 83.125, 92.178



50, 26.788, 138.474



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, 112.714, 135.011



88, 118.570, 135.273



88, 95.451, 144.559



52, 8.604, 139.688



68, 95.337, 135.144



23, 42.602, 134.633

Inverse Universe

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



56, 112.294, 322.681



54, 117.101, 322.196



58, 88.636, 344.930



50, 8.643, 320.556



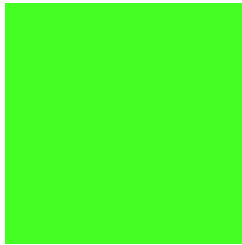
40, 94.286, 322.295



10, 43.279, 322.980

Previews

White Background



This preview shows how the CIELCh color 88, 112.714, 135.010 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, 112.714, 135.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

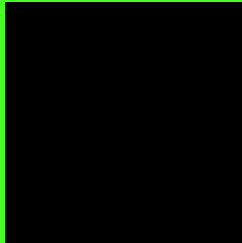
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 112.714, 135.010

Background



This preview shows how black text looks on a background with the CIELCh color 88, 112.714, 135.010.

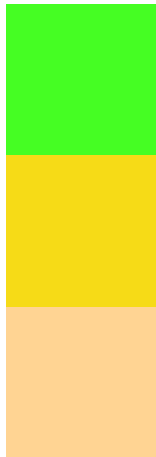


This preview shows how white text looks on a background with the CIELCh color 88, 112.714, 135.010.

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, 112.714, 135.010

Protanopia

87, 84.932, 95.093

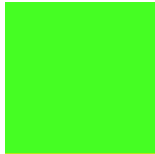
Deuteranopia

87, 38.355, 79.891



Tritanopia
88, 33.261, 215.022

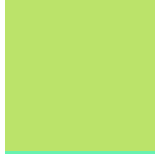
Trichromacy



Original Color
88, 112.714, 135.010



Protanomaly
86, 90.380, 116.535



Deuteranomaly
85, 62.549, 120.113

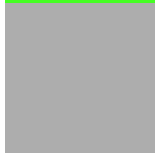


Tritanomaly
87, 57.014, 158.148

Monochromacy



Original Color
88, 112.714, 135.010



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 49.045, 137.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 112.714, 135.010 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(69, 254, 35)` looks like.

```
.text, #text, p{  
    color:rgb(69, 254, 35)  
}
```

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(69, 254, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 254, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 112.714, 135.010 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(69, 254, 35) }
```

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

```
.border{ border-color:rgb(69, 254, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 254, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 254, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 254, 35);  
box-shadow:4px 4px 4px 4px rgb(69, 254,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 112.714, 135.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 254, 35) }
```

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

```
.background{ background-color: rgb(69, 254,  
35) }
```

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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