

Converting Colors

CIELCh(88, 118.482, 135.698)

Have a look what the booklet for
CIELCh(88, 118.482, 135.698)
contains.

CIELCh(88, 118.376, 135.690)	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, 118.376, 135.690)

Conversions

Conversions Part 1

Format	Color
Hex	21FF0A
RGB	33, 255, 10
RGB Percent	13%, 100%, 4%
CMY	0.8707, 0.0000, 0.9599
CMYK	0.87, 0.00, 0.96, 0.00
HSL	114°, 100%, 52%
HSV	114°, 96%, 100%
XYZ	36.5419, 72.0653, 12.2764
YIQ	160.6920, -53.6670, -123.2590

Conversions

Conversions Part 2

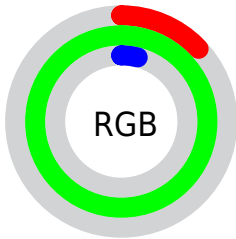
Format	Color
R _Y B	10, 255, 232
Decimal	2227978
CIE Lab	88.00, -84.71, 82.69
CIE LCh	88, 118.376, 135.690
Yxy	72.0653, 0.3023, 0.5962
Android (android.graphics.Color)	4280418058 (0xFF21FF0A)
YUV	160.6920, -74.2912, -111.9859
Hunter-Lab	84.8913, -71.7235, 50.8498

Details

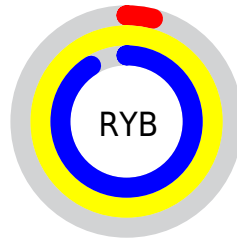
The CIELCh color **88, 118.376, 135.690** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57, 115.512, 324.655**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.180, 135.030**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 119.253, 135.696**, and if you desaturate by 10%, it is **88, 114.075, 135.777**.

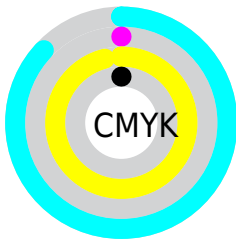
Distribution



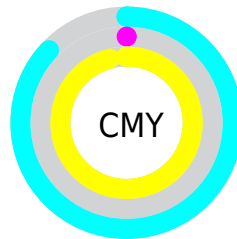
- Red (13%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (91%)



- Cyan (87%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 118.376, 135.690 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, 118.376, 135.690 by changing the saturation by 10% instead.


 88, 118.376,
135.690


 88, 118.376,
135.690


 100, 118.376,
135.690


 78, 118.376,
135.690


 68, 118.376,
135.690

 58, 118.376,
135.690

 48, 118.376,
135.690

 38, 118.376,
135.690

 28, 118.376,
135.690

 18, 118.376,

135.690

■ 8, 118.376,
135.690

■ 0, 118.376,
135.690

■ 88, 118.376,
135.690

■ 88, 118.376,
135.690

■ 88, 119.253,
135.696

■ 88, 114.075,
135.777

■ 89, 106.708,
136.237

■ 89, 96.542,
136.974

■ 90, 84.232,
137.847

■ 92, 70.420,
138.743

■ 93, 55.642,
139.592

■ 95, 40.317,
140.360

■ 97, 24.765,
141.037

■ 99, 9.224, 141.637

Harmonies

Complementary

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



88, 118.376, 135.690



57, 115.512, 324.655

Rectangle

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



88, 118.376, 135.690



88, 118.376, 185.690



88, 118.376, 315.690



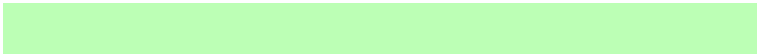
88, 118.376, 5.690

Sweetspot

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



88, 118.259, 135.690



94, 44.963, 140.139



91, 89.653, 96.158



49, 30.808, 139.810



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, 118.259, 135.690



88, 119.253, 135.696



88, 96.689, 145.051



52, 8.775, 141.432



68, 95.938, 135.610



23, 43.076, 135.494

Inverse Universe

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



57, 115.512, 324.655



56, 116.287, 324.555



56, 87.033, 352.335



50, 8.803, 322.364



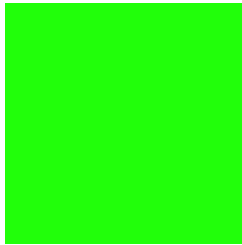
42, 93.649, 324.616



11, 43.040, 325.042

Previews

White Background



This preview shows how the CIE LCh color 88, 118.376, 135.690 looks on a white background.

Color Contrast Check

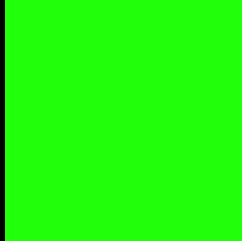
Large Text (above 18pt) WCAG AA × Fail

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, 118.376, 135.690 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

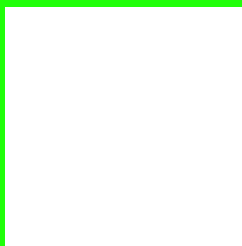
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 118.376, 135.690

Background



This preview shows how black text looks on a background with the CIELCh color 88, 118.376, 135.690.



This preview shows how white text looks on a background with the CIELCh color 88, 118.376, 135.690.

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, 118.271, 135.684

Protanopia

87, 87.243, 95.106

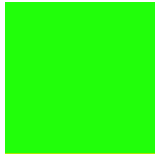
Deuteranopia

87, 39.522, 79.882



Tritanopia
87, 34.426, 214.346

Trichromacy



Original Color
88, 118.271, 135.684



Protanomaly
85, 94.159, 118.746

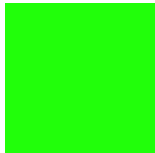


Deuteranomaly
84, 68.719, 122.807

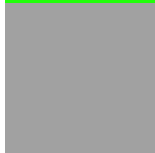


Tritanomaly
86, 63.576, 156.528

Monochromacy



Original Color
88, 118.271, 135.684



Achromatopsia
66, 0.008, 296.813



Achromatomaly
72, 56.334, 138.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 118.376, 135.690 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(33, 255, 10)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 10)  
}
```

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(33, 255, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 118.376, 135.690 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(33, 255, 10) }
```

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

```
.border{ border-color:rgb(33, 255, 10) }
```

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

Here you see how a box with a 4 pixel rgb(33, 255, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 118.376, 135.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 10) }
```

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

```
.background{ background-color: rgb(33, 255,  
10) }
```

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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