

Converting Colors

CIELCh(88, 117.260, 136.891)

Have a look what the booklet for
CIELCh(88, 117.260, 136.891)
contains.

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Color

CIELCh(88, 116.975, 136.905)

Conversions

Conversions Part 1

Format	Color
Hex	09FF20
RGB	9, 255, 32
RGB Percent	4%, 100%, 13%
CMY	0.9636, 0.0000, 0.8744
CMYK	0.96, 0.00, 0.87, 0.00
HSL	126°, 100%, 52%
HSV	126°, 96%, 100%
XYZ	36.3278, 72.0653, 13.3636
YIQ	156.0240, -75.0330, -121.5050

Conversions

Conversions Part 2

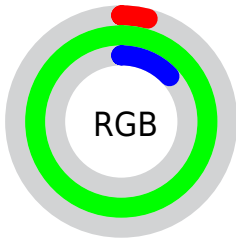
Format	Color
R_YB	9, 234, 255
Decimal	655136
CIE Lab	88.00, -85.42, 79.92
CIE LCh	88, 116.975, 136.905
Yxy	72.0653, 0.2984, 0.5919
Android (android.graphics.Color)	4278845216 (0xFF09FF20)
YUV	156.0240, -61.1438, -128.9400
Hunter-Lab	84.8913, -72.1736, 50.0905

Details

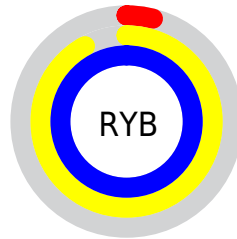
The CIELCh color **88, 116.975, 136.905** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **59, 106.983, 332.223**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 88.652, 136.862**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.993, 136.634**, and if you desaturate by 10%, it is **88, 111.609, 137.977**.

Distribution



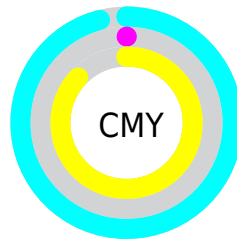
- Red (4%)
- Green (100%)
- Blue (13%)



- Red (4%)
- Yellow (92%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 116.975, 136.905 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, 116.975, 136.905 by changing the saturation by 10% instead.


 88, 116.975,
136.905


 88, 116.975,
136.905


 100, 116.975,
136.905


 78, 116.975,
136.905


 68, 116.975,
136.905

 58, 116.975,
136.905

 48, 116.975,
136.905

 38, 116.975,
136.905

 28, 116.975,
136.905

 18, 116.975,

136.905

■ 8, 116.975,
136.905

■ 0, 116.975,
136.905

■ 88, 116.975,
136.905

■ 88, 116.975,
136.905

■ 88, 117.993,
136.634

■ 88, 111.609,
137.977

■ 88, 103.819,
139.262

■ 89, 93.733,
140.622

■ 90, 81.815,
141.946

■ 91, 68.530,
143.163

■ 93, 54.309,
144.245

■ 94, 39.527,
145.185

■ 96, 24.496,
145.994

■ 98, 9.461, 146.702

Harmonies

Complementary

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



88, 116.975, 136.905



59, 106.983, 332.223

Rectangle

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



88, 116.975, 136.905



88, 116.975, 186.905



88, 116.975, 316.905



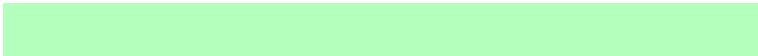
88, 116.975, 6.905

Sweetspot

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



88, 116.750, 136.910



94, 43.471, 144.950



96, 96.753, 107.950



49, 29.780, 144.550



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, 116.750, 136.910



88, 117.993, 136.634



89, 80.461, 154.089



52, 8.484, 146.486



68, 94.658, 136.799



22, 41.801, 138.576

Inverse Universe

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



59, 106.983, 332.223



59, 107.317, 332.387



55, 83.954, 9.330



50, 8.501, 327.576



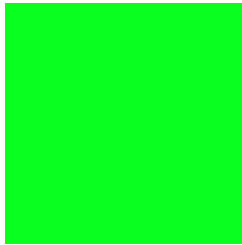
44, 86.547, 332.309



12, 40.165, 331.774

Previews

White Background



This preview shows how the CIE LCh color 88, 116.975, 136.905 looks on a white background.

Color Contrast Check

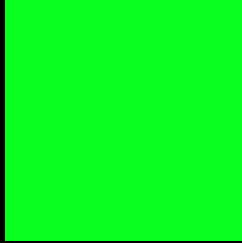
Large Text (above 18pt) WCAG AA × Fail

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, 116.975, 136.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

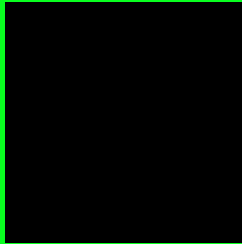
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 116.975, 136.905

Background



This preview shows how black text looks on a background with the CIELCh color 88, 116.975, 136.905.



This preview shows how white text looks on a background with the CIELCh color 88, 116.975, 136.905.

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, 116.761, 136.912

Protanopia

87, 85.242, 94.772

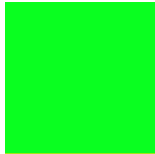
Deuteranopia

87, 39.522, 79.882



Tritanopia
87, 34.988, 214.035

Trichromacy



Original Color
88, 116.761, 136.912



Protanomaly
84, 92.914, 121.025

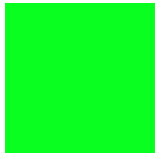


Deuteranomaly
84, 66.552, 126.296

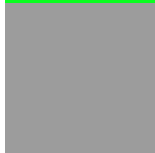


Tritanomaly
86, 62.014, 160.116

Monochromacy



Original Color
88, 116.761, 136.912



Achromatopsia
64, 0.008, 296.813



Achromatomaly
71, 54.585, 143.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 116.975, 136.905 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(9, 255, 32)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 32)  
}
```

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(9, 255, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 116.975, 136.905 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(9, 255, 32) }
```

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

```
.border{ border-color:rgb(9, 255, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 32);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 116.975, 136.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 32) }
```

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

```
.background{ background-color: rgb(9, 255,  
32) }
```

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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