

Converting Colors

CIELCh(88, 118.838, 135.440)

Have a look what the booklet for
CIELCh(88, 118.838, 135.440)
contains.

CIELCh(88, 118.736, 135.437)	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, 118.736, 135.437)

Conversions

Conversions Part 1

Format	Color
Hex	24FF02
RGB	36, 255, 2
RGB Percent	14%, 100%, 1%
CMY	0.8598, 0.0000, 0.9921
CMYK	0.86, 0.00, 0.99, 0.00
HSL	112°, 100%, 50%
HSV	112°, 99%, 100%
XYZ	36.5749, 72.0653, 12.0394
YIQ	160.6770, -49.3110, -125.1110

Conversions

Conversions Part 2

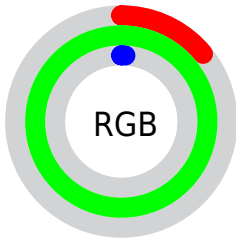
Format	Color
R _Y B	2, 255, 221
Decimal	2424578
CIE Lab	88.00, -84.60, 83.32
CIE LCh	88, 118.736, 135.437
Yxy	72.0653, 0.3031, 0.5972
Android (android.graphics.Color)	4280614658 (0xFF24FF02)
YUV	160.6770, -78.2278, -109.3417
Hunter-Lab	84.8913, -71.6541, 51.0153

Details

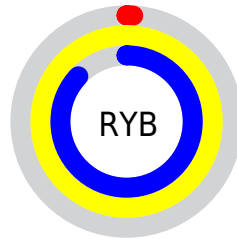
The CIELCh color **88, 118.736, 135.437** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **55, 116.618, 323.042**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.713, 134.617**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 118.846, 135.445**, and if you desaturate by 10%, it is **88, 115.113, 135.282**.

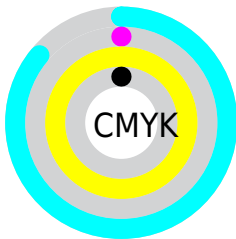
Distribution



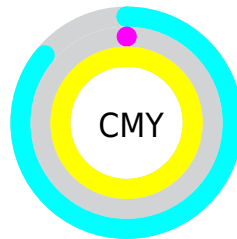
- Red (14%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (87%)



- Cyan (86%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 118.736, 135.437 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, 118.736, 135.437 by changing the saturation by 10% instead.


 88, 118.736,
135.437


 88, 118.736,
135.437


 100, 118.736,
135.437


 78, 118.736,
135.437


 68, 118.736,
135.437

 58, 118.736,
135.437

 48, 118.736,
135.437

 38, 118.736,
135.437

 28, 118.736,
135.437

 18, 118.736,

135.437

■ 8, 118.736,
135.437

■ 0, 118.736,
135.437

■ 88, 118.736,
135.437

■ 88, 118.736,
135.437

■ 88, 118.846,
135.445

■ 88, 115.113,
135.282

■ 89, 108.578,
135.478

■ 89, 99.148,
136.006

■ 90, 87.439,
136.735

■ 91, 74.108,
137.540

■ 93, 59.717,
138.336

■ 94, 44.700,
139.075

■ 96, 29.387,
139.739

■ 98, 14.024,
140.326

Harmonies

Complementary

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



88, 118.736, 135.437



55, 116.618, 323.042

Rectangle

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



88, 118.736, 135.437



88, 118.736, 185.437



88, 118.736, 315.437



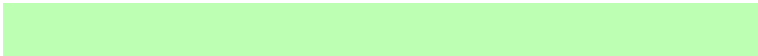
88, 118.736, 5.437

Sweetspot

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



88, 118.637, 135.436



94, 45.908, 139.019



89, 88.232, 93.293



49, 31.273, 138.714



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, 118.637, 135.436



88, 118.846, 135.445



88, 101.366, 143.088



52, 8.663, 140.309



68, 95.577, 135.331



23, 42.765, 134.936

Inverse Universe

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



55, 116.618, 323.042



55, 116.786, 323.013



56, 88.470, 350.472



50, 8.698, 321.198



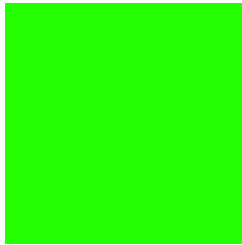
41, 94.040, 323.099



10, 43.187, 323.696

Previews

White Background



This preview shows how the CIELCh color 88, 118.736, 135.437 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, 118.736, 135.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

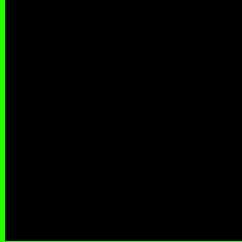
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 118.736, 135.437

Background



This preview shows how black text looks on a background with the CIELCh color 88, 118.736, 135.437.



This preview shows how white text looks on a background with the CIELCh color 88, 118.736, 135.437.

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

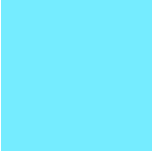
88, 118.626, 135.428

Protanopia

87, 87.243, 95.106

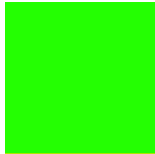
Deuteranopia

87, 39.060, 79.611



Tritanopia
87, 34.426, 214.346

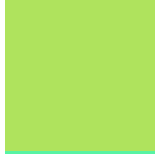
Trichromacy



Original Color
88, 118.626, 135.428



Protanomaly
85, 94.271, 118.471

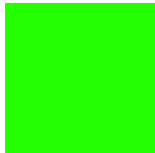


Deuteranomaly
84, 69.396, 122.253

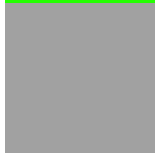


Tritanomaly
86, 64.554, 155.457

Monochromacy



Original Color
88, 118.626, 135.428



Achromatopsia
66, 0.008, 296.813



Achromatomaly
72, 57.422, 137.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 118.736, 135.437 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(36, 255, 2)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 2)  
}
```

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(36, 255, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 118.736, 135.437 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(36, 255, 2) }
```

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

```
.border{ border-color:rgb(36, 255, 2) }
```

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

Here you see how a box with a 4 pixel rgb(36, 255, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(36, 255, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 118.736, 135.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 2) }
```

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

```
.background{ background-color: rgb(36, 255,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor