

Converting Colors

CIELCh(88, 89.767, 145.461)

Have a look what the booklet for
CIELCh(88, 89.767, 145.461)
contains.

CIELCh(88, 89.417, 145.572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 89.417, 145.572)

Conversions

Conversions Part 1

Format	Color
Hex	3AFC76
RGB	58, 252, 118
RGB Percent	23%, 99%, 46%
CMY	0.7740, 0.0103, 0.5359
CMYK	0.77, 0.00, 0.53, 0.01
HSL	139°, 97%, 61%
HSV	139°, 77%, 99%
XYZ	39.9446, 72.0653, 29.0522
YIQ	178.7180, -72.6100, -82.8020

Conversions

Conversions Part 2

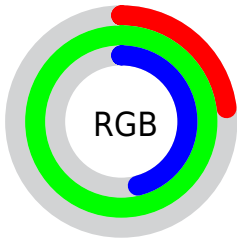
Format	Color
RYB	58, 206, 252
Decimal	3865718
CIELab	88.00, -73.75, 50.55
CIELCh	88, 89.417, 145.572
Yxy	72.0653, 0.2832, 0.5109
Android (android.graphics.Color)	4282055798 (0xFF3AFC76)
YUV	178.7180, -29.9340, -105.8697
Hunter-Lab	84.8913, -64.5686, 39.1332

Details

The CIELCh color **88, 89.417, 145.572** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **59, 85.835, 342.023**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.071, 150.679**, and **69, 84.281, 142.193** is the 20% darker color. If you saturate the color by 10%, you get **88, 97.247, 143.646**, and if you desaturate by 10%, it is **89, 80.279, 147.341**.

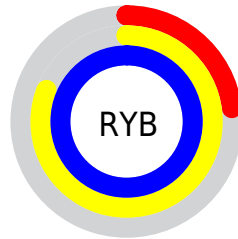
Distribution



Red (23%)

Green (99%)

Blue (46%)



Red (23%)

Yellow (81%)

Blue (99%)

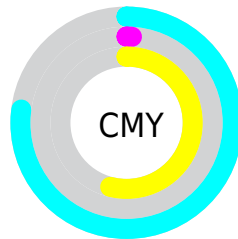


Cyan (77%)

Magenta (0%)

Yellow (53%)

Black (1%)



Cyan (77%)


Magenta (1%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 89.417, 145.572 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, 89.417, 145.572 by changing the saturation by 10% instead.


 88, 89.417,
145.572


 88, 89.417,
145.572


 100, 89.417,
145.572

 78, 89.417,
145.572

 68, 89.417,
145.572

 58, 89.417,
145.572

 48, 89.417,
145.572

 38, 89.417,
145.572


 28, 89.417,
145.572


 18, 89.417,


145.572


 8, 89.417, 145.572


 0, 89.417, 145.572


 88, 89.417,
145.572


 88, 89.417,
145.572


 88, 97.247,
143.646


 89, 80.279,
147.341

 87, 103.704,
141.638

 90, 69.982,
148.922

 87, 105.335,
141.099

 91, 58.739,
150.310

 92, 46.790,
151.519

 94, 34.379,

152.569

 95, 21.730,
153.485

 98, 9.032, 154.303

 99, 1.632, 324.309

Harmonies

Complementary

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



88, 89.417, 145.572



59, 85.835, 342.023

Rectangle

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



88, 89.417, 145.572



88, 89.417, 195.572



88, 89.417, 325.572



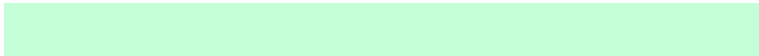
88, 89.417, 15.572

Sweetspot

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



88, 89.417, 145.572



95, 29.376, 152.964



92, 90.956, 118.481



50, 20.321, 152.622



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, 89.417, 145.572



88, 102.006, 142.465



90, 55.545, 174.480



51, 7.120, 154.117



67, 83.923, 141.477



22, 35.426, 144.558

Inverse Universe

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



59, 85.835, 342.023



57, 91.211, 344.751



57, 77.438, 19.033



49, 7.159, 335.393



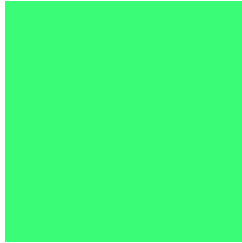
42, 73.049, 345.794



10, 33.902, 342.931

Previews

White Background



This preview shows how the CIE LCh color 88, 89.417, 145.572 looks on a white background.

Color Contrast Check

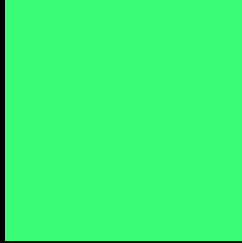
Large Text (above 18pt) WCAG AA × Fail

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, 89.417, 145.572 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, 89.417, 145.572

Background



This preview shows how black text looks on a background with the CIELCh color 88, 89.417, 145.572.

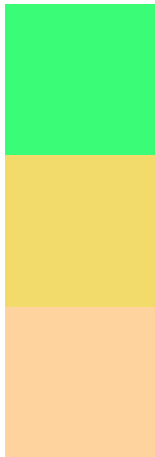


This preview shows how white text looks on a background with the CIELCh color 88, 89.417, 145.572.

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, 89.331, 145.518

Protanopia
87, 57.328, 95.608

Deuteranopia
87, 33.575, 75.664



Tritanopia
88, 34.207, 213.523

Trichromacy



Original Color
88, 89.331, 145.518



Protanomaly
86, 64.032, 125.472



Deuteranomaly
85, 45.816, 127.982

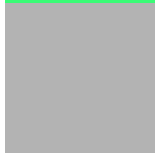


Tritanomaly
88, 48.459, 172.023

Monochromacy



Original Color
88, 89.331, 145.518



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 36.935, 151.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 89.417, 145.572 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(58, 252, 118)` looks like.

```
.text, #text, p{  
    color:rgb(58, 252, 118)  
}
```

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(58, 252, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 252, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 89.417, 145.572 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(58, 252, 118) }
```

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

```
.border{ border-color:rgb(58, 252, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 252, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 252, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 252, 118);  
box-shadow:4px 4px 4px 4px rgb(58, 252,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 89.417, 145.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 252, 118) }
```

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

```
.background{ background-color: rgb(58, 252,  
118) }
```

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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