

Converting Colors

CIELCh(88, 63.612, 161.202)

Have a look what the booklet for
CIELCh(88, 63.612, 161.202)
contains.

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Color

CIELCh(88, 63.707, 161.288)

Conversions

Conversions Part 1

Format	Color
Hex	45F9B4
RGB	69, 249, 180
RGB Percent	27%, 98%, 71%
CMY	0.7313, 0.0249, 0.2954
CMYK	0.72, 0.00, 0.28, 0.02
HSL	157°, 93%, 62%
HSV	157°, 72%, 98%
XYZ	44.3925, 72.0653, 54.5777
YIQ	187.3140, -85.1310, -59.6190

Conversions

Conversions Part 2

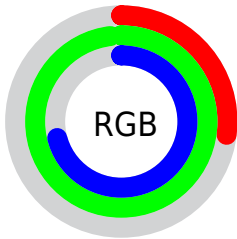
Format	Color
R _{YB}	69, 180, 249
Decimal	4585908
CIE _{Lab}	88.00, -60.34, 20.44
CIE _{LCh}	88, 63.707, 161.288
Yxy	72.0653, 0.2596, 0.4213
Android (android.graphics.Color)	4282775988 (0xFF45F9B4)
YUV	187.3140, -3.6058, -103.7614
Hunter-Lab	84.8913, -55.2161, 21.3055

Details

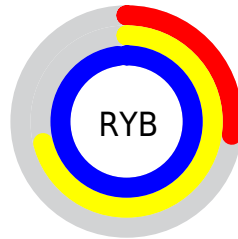
The CIELCh color **88, 63.707, 161.288** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **58, 71.958, 2.356**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.456, 181.793**, and **69, 59.437, 159.125** is the 20% darker color. If you saturate the color by 10%, you get **87, 69.447, 159.322**, and if you desaturate by 10%, it is **89, 56.985, 163.040**.

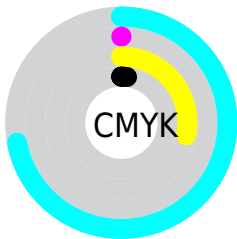
Distribution



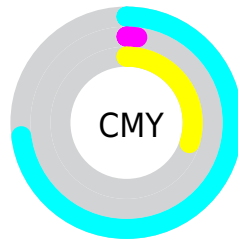
- Red (27%)
- Green (98%)
- Blue (71%)



- Red (27%)
- Yellow (71%)
- Blue (98%)



- Cyan (72%)
- Magenta (0%)
- Yellow (28%)
- Black (2%)




- Cyan (73%)
- Magenta (2%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 63.707, 161.288 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, 63.707, 161.288 by changing the saturation by 10% instead.

 88, 63.707,
161.288

 88, 63.707,
161.288


 100, 63.707,
161.288

 78, 63.707,
161.288

 68, 63.707,
161.288

 58, 63.707,
161.288

 48, 63.707,
161.288

 38, 63.707,
161.288


 28, 63.707,
161.288

 18, 63.707,


161.288


 8, 63.707, 161.288


 0, 63.707, 161.288


 88, 63.707,
161.288


 88, 63.707,
161.288


 87, 69.447,
159.322


 89, 56.985,
163.040

 87, 74.230,
157.145

 90, 49.340,
164.597


 87, 77.351,
155.415

 91, 40.900,
165.982

 92, 31.823,
167.222

 94, 22.283,

168.343

 95, 12.443,
169.375

 97, 2.449, 170.477

 98, 3.950, 324.501

Harmonies

Complementary

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



88, 63.707, 161.288



58, 71.958, 2.356

Rectangle

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



88, 63.707, 161.288



88, 63.707, 211.288



88, 63.707, 341.288



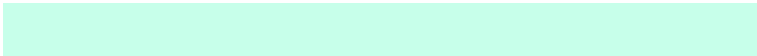
88, 63.707, 31.288

Sweetspot

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



88, 63.708, 161.287



96, 22.297, 168.388



89, 94.031, 130.044



51, 14.942, 168.095



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, 63.708, 161.287



89, 73.176, 158.331



84, 40.300, 213.155



51, 5.711, 169.670



68, 62.390, 155.836



22, 26.627, 159.176

Inverse Universe

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



58, 71.958, 2.356



56, 81.385, 7.941



60, 74.446, 36.803



49, 5.830, 351.306



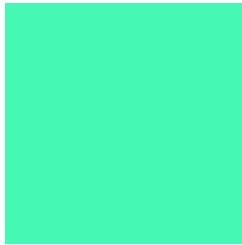
40, 67.880, 13.413



9, 30.461, 5.844

Previews

White Background



This preview shows how the CIE LCh color 88, 63.707, 161.288 looks on a white background.

Color Contrast Check

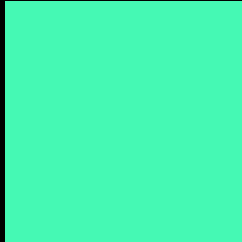
Large Text (above 18pt) WCAG AA × Fail

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, 63.707, 161.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

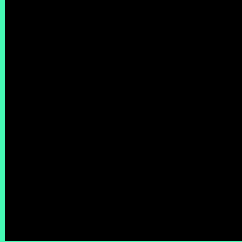
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 63.707, 161.288

Background



This preview shows how black text looks on a background with the CIELCh color 88, 63.707, 161.288.

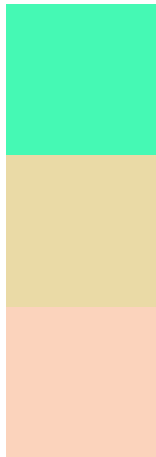


This preview shows how white text looks on a background with the CIELCh color 88, 63.707, 161.288.

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, 63.707, 161.288

Protanopia
87, 27.724, 94.682

Deuteranopia
87, 19.718, 57.367



Tritanopia
88, 34.400, 213.420

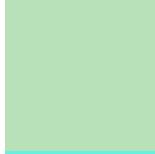
Trichromacy



Original Color
88, 63.707, 161.288



Protanomaly
86, 36.488, 141.468



Deuteranomaly
86, 25.652, 143.325



Tritanomaly
88, 41.303, 187.185

Monochromacy



Original Color
88, 63.707, 161.288



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 26.588, 167.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 63.707, 161.288 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, 249, 180)` looks like.

```
.text, #text, p{  
    color:rgb(69, 249, 180)  
}
```

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, 249, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 249, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 63.707, 161.288 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, 249, 180) }
```

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

```
.border{ border-color:rgb(69, 249, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 249, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 249, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 249, 180);  
box-shadow:4px 4px 4px 4px rgb(69, 249,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 63.707, 161.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 249, 180) }
```

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

```
.background{ background-color: rgb(69, 249,  
180) }
```

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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