

Converting Colors

CIELCh(88, 63.663, 161.766)

Have a look what the booklet for
CIELCh(88, 63.663, 161.766)
contains.

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Color

CIELCh(88, 63.688, 161.818)

Conversions

Conversions Part 1

Format	Color
Hex	42F9B5
RGB	66, 249, 181
RGB Percent	26%, 98%, 71%
CMY	0.7426, 0.0245, 0.2911
CMYK	0.74, 0.00, 0.27, 0.02
HSL	158°, 94%, 62%
HSV	158°, 74%, 98%
XYZ	44.3347, 72.0653, 55.1621
YIQ	186.5310, -87.2400, -59.9440

Conversions

Conversions Part 2

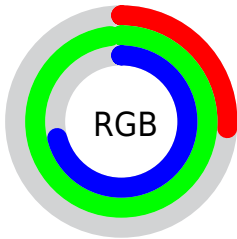
Format	Color
RYB	66, 178, 249
Decimal	4389301
CIELab	88.00, -60.51, 19.87
CIELCh	88, 63.688, 161.818
Yxy	72.0653, 0.2584, 0.4201
Android (android.graphics.Color)	4282579381 (0xFF42F9B5)
YUV	186.5310, -2.7268, -105.7057
Hunter-Lab	84.8913, -55.3376, 20.8975

Details

The CIELCh color **88, 63.688, 161.818** 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, 72.648, 3.664**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.473, 182.618**, and **69, 59.053, 159.510** is the 20% darker color. If you saturate the color by 10%, you get **87, 69.192, 159.837**, and if you desaturate by 10%, it is **89, 57.199, 163.586**.

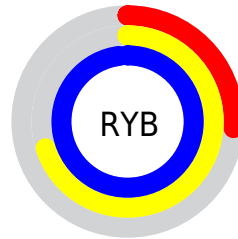
Distribution



Red (26%)

Green (98%)

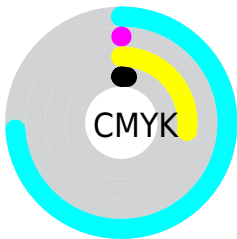
Blue (71%)



Red (26%)

Yellow (70%)

Blue (98%)

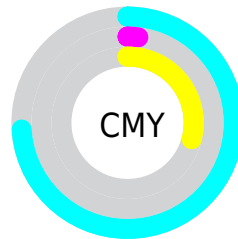


Cyan (74%)

Magenta (0%)

Yellow (27%)

Black (2%)



Cyan (74%)

Magenta (2%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 63.688, 161.818 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, 63.688, 161.818 by changing the saturation by 10% instead.


 88, 63.688,
161.818

 88, 63.688,
161.818


 100, 63.688,
161.818


 78, 63.688,
161.818


 68, 63.688,
161.818

 58, 63.688,
161.818

 48, 63.688,
161.818

 38, 63.688,
161.818


 28, 63.688,
161.818

 18, 63.688,


161.818


 8, 63.688, 161.818

 0, 63.688, 161.818


 88, 63.688,
161.818


 88, 63.688,
161.818


 87, 69.192,
159.837


 89, 57.199,
163.586

 87, 73.751,
157.646

 90, 49.773,
165.158

 87, 76.297,
156.187

 91, 41.530,
166.558

 92, 32.623,
167.812

 93, 23.224,

168.947

■ 95, 13.498,
169.989

■ 97, 3.593, 171.040

■ 98, 3.744, 326.050

■ 98, 3.892, 324.498

Harmonies

Complementary

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



88, 63.688, 161.818



58, 72.648, 3.664

Rectangle

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



88, 63.688, 161.818



88, 63.688, 211.818



88, 63.688, 341.818



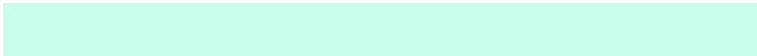
88, 63.688, 31.818

Sweetspot

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



88, 63.689, 161.817



96, 22.112, 169.117



89, 95.163, 130.047



51, 14.815, 168.824



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

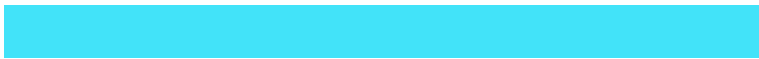
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 63.689, 161.817



89, 72.709, 158.875



84, 40.579, 213.304



51, 5.668, 170.403



68, 61.532, 156.608



22, 26.294, 159.929

Inverse Universe

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



58, 72.648, 3.664



56, 81.835, 9.438



59, 75.851, 37.039



49, 5.791, 352.048



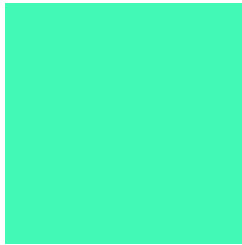
40, 68.081, 14.534



9, 30.456, 6.790

Previews

White Background



This preview shows how the CIE LCh color 88, 63.688, 161.818 looks on a white background.

Color Contrast Check

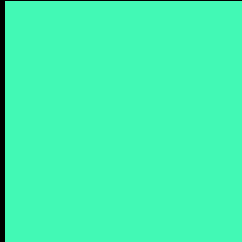
Large Text (above 18pt) WCAG AA × Fail

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, 63.688, 161.818 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, 63.688, 161.818

Background



This preview shows how black text looks on a background with the CIELCh color 88, 63.688, 161.818.

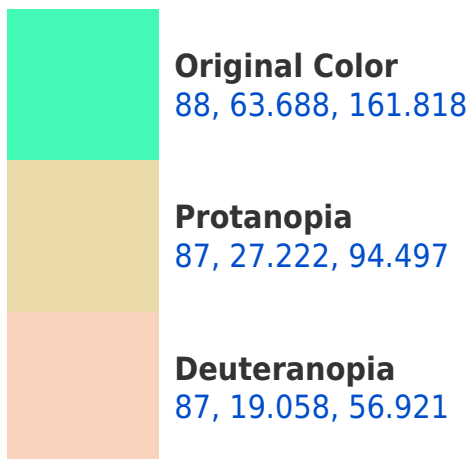


This preview shows how white text looks on a background with the CIELCh color 88, 63.688, 161.818.

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





Tritanopia
88, 34.591, 213.319

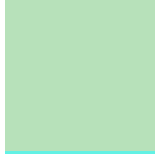
Trichromacy



Original Color
88, 63.688, 161.818



Protanomaly
86, 36.259, 142.345



Deuteranomaly
86, 25.653, 145.213



Tritanomaly
88, 41.659, 187.243

Monochromacy



Original Color
88, 63.688, 161.818



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 27.130, 167.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 63.688, 161.818 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(66, 249, 181)` looks like.

```
.text, #text, p{  
    color:rgb(66, 249, 181)  
}
```

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(66, 249, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 249, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 63.688, 161.818 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(66, 249, 181) }
```

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

```
.border{ border-color:rgb(66, 249, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 249, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 249, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 249, 181);  
box-shadow:4px 4px 4px 4px rgb(66, 249,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 63.688, 161.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 249, 181) }
```

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

```
.background{ background-color: rgb(66, 249,  
181) }
```

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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