

Converting Colors

CIELCh(88, 51.226, 166.183)

Have a look what the booklet for
CIELCh(88, 51.226, 166.183)
contains.

CIELCh(88, 51.225, 166.218)	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, 51.225, 166.218)

Conversions

Conversions Part 1

Format	Color
Hex	67F5C4
RGB	103, 245, 196
RGB Percent	40%, 96%, 77%
CMY	0.5967, 0.0398, 0.2319
CMYK	0.58, 0.00, 0.20, 0.04
HSL	159°, 87%, 68%
HSV	159°, 58%, 96%
XYZ	48.1279, 72.0653, 63.5119
YIQ	196.9560, -68.9030, -45.3430

Conversions

Conversions Part 2

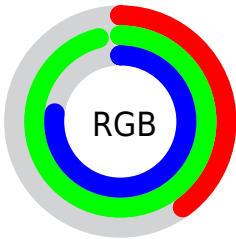
Format	Color
R_{YB}	103, 189, 245
Decimal	6813124
CIE _{Lab}	88.00, -49.75, 12.20
CIE _{LCh}	88, 51.225, 166.218
Yxy	72.0653, 0.2620, 0.3923
Android (android.graphics.Color)	4285003204 (0xFF67F5C4)
YUV	196.9560, -0.4713, -82.3994
Hunter-Lab	84.8913, -47.3616, 15.0658

Details

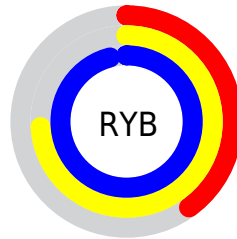
The CIELCh color **88, 51.225, 166.218** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **63, 58.903, 1.244**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.521, 195.567**, and **68, 51.374, 166.009** is the 20% darker color. If you saturate the color by 10%, you get **87, 57.899, 164.585**, and if you desaturate by 10%, it is **89, 43.679, 167.672**.

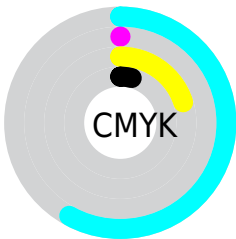
Distribution



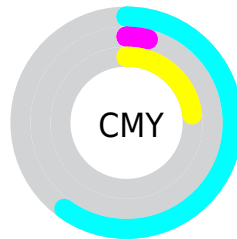
- Red (40%)
- Green (96%)
- Blue (77%)



- Red (40%)
- Yellow (74%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)





- Cyan (60%)
- Magenta (4%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 51.225, 166.218 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, 51.225, 166.218 by changing the saturation by 10% instead.


 88, 51.225,
166.218


 88, 51.225,
166.218


 100, 51.225,
166.218


 78, 51.225,
166.218

 68, 51.225,
166.218

 58, 51.225,
166.218

 48, 51.225,
166.218

 38, 51.225,
166.218


 28, 51.225,
166.218


 18, 51.225,


166.218


 8, 51.225, 166.218


 0, 51.225, 166.218


 88, 51.225,
166.218


 88, 51.225,
166.218


 87, 57.899,
164.585

 89, 43.679,
167.672


 87, 63.613,
162.753

 90, 35.394,
168.976

 86, 68.358,
160.710

 92, 26.531,
170.155

 86, 72.245,
158.478


 93, 17.255,
171.235

 86, 72.976,

 95, 7.720, 172.254

158.034

 97, 1.942, 352.817

 98, 6.315, 324.645

 98, 6.320, 324.613

Harmonies

Complementary

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



88, 51.225, 166.218



63, 58.903, 1.244

Rectangle

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



88, 51.225, 166.218



88, 51.225, 216.218



88, 51.225, 346.218



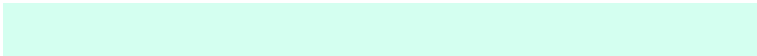
88, 51.225, 36.218

Sweetspot

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



88, 51.226, 166.217



97, 16.855, 171.334



88, 78.118, 131.337



51, 11.253, 171.125



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

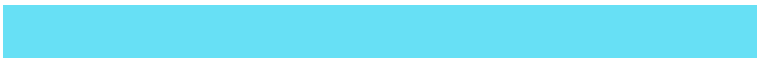
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 51.226, 166.217



90, 61.060, 164.208



83, 34.620, 216.532



50, 5.479, 172.103



67, 58.980, 158.452



21, 24.778, 161.892

Inverse Universe

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



63, 58.903, 1.244



60, 71.242, 4.610



66, 55.306, 36.585



48, 5.610, 353.759



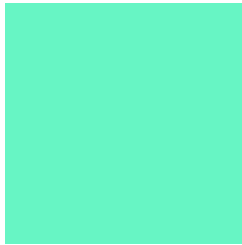
39, 67.940, 16.981



9, 29.617, 8.178

Previews

White Background



This preview shows how the CIE LCh color 88, 51.225, 166.218 looks on a white background.

Color Contrast Check

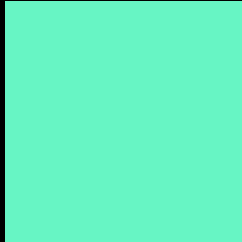
Large Text (above 18pt) WCAG AA × Fail

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, 51.225, 166.218 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, 51.225, 166.218

Background



This preview shows how black text looks on a background with the CIELCh color 88, 51.225, 166.218.

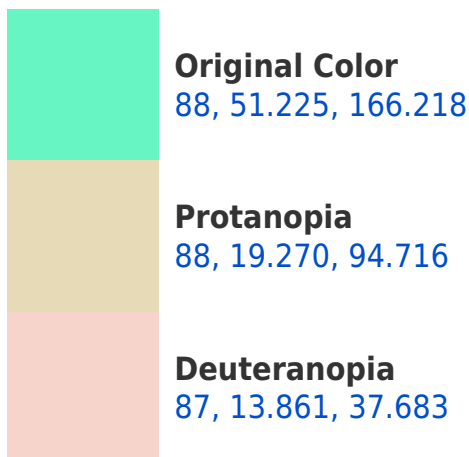



This preview shows how white text looks on a background with the CIELCh color 88, 51.225, 166.218.

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, 32.659, 215.390

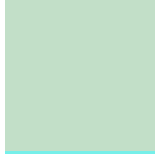
Trichromacy



Original Color
88, 51.225, 166.218



Protanomaly
87, 26.449, 145.729



Deuteranomaly
86, 16.071, 149.916

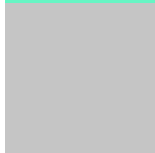


Tritanomaly
88, 36.168, 192.043

Monochromacy



Original Color
88, 51.225, 166.218



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 20.193, 171.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 51.225, 166.218 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(103, 245, 196)` looks like.

```
.text, #text, p{  
    color:rgb(103, 245, 196)  
}
```

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(103, 245, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 245, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 51.225, 166.218 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(103, 245, 196) }
```

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

```
.border{ border-color:rgb(103, 245, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 245, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 245, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 245, 196); box-shadow:4px 4px 4px 4px rgb(103, 245, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 51.225, 166.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 245, 196) }
```

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

```
.background{ background-color: rgb(103,  
245, 196) }
```

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