

Converting Colors

CIELCh(88, 57.515, 152.254)

Have a look what the booklet for
CIELCh(88, 57.515, 152.254)
contains.

CIELCh(88, 57.608, 152.260)	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, 57.608, 152.260)

Conversions

Conversions Part 1

Format	Color
Hex	7BF5A8
RGB	123, 245, 168
RGB Percent	48%, 96%, 66%
CMY	0.5192, 0.0407, 0.3426
CMYK	0.50, 0.00, 0.31, 0.04
HSL	142°, 85%, 72%
HSV	142°, 50%, 96%
XYZ	47.6812, 72.0653, 48.2666
YIQ	199.7440, -47.9950, -49.8110

Conversions

Conversions Part 2

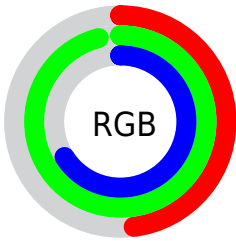
Format	Color
RYB	123, 212, 245
Decimal	8123816
CIELab	88.00, -50.99, 26.81
CIElCh	88, 57.608, 152.260
Yxy	72.0653, 0.2838, 0.4289
Android (android.graphics.Color)	4286313896 (0xFF7BF5A8)
YUV	199.7440, -15.6498, -67.3045
Hunter-Lab	84.8913, -48.3009, 25.7134

Details

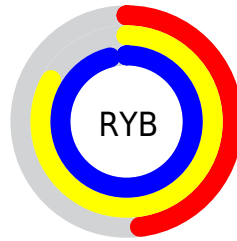
The CIELCh color **88, 57.608, 152.260** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 58.717, 341.625**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 29.736, 165.144**, and **68, 57.915, 152.121** is the 20% darker color. If you saturate the color by 10%, you get **87, 67.823, 150.792**, and if you desaturate by 10%, it is **89, 46.674, 153.542**.

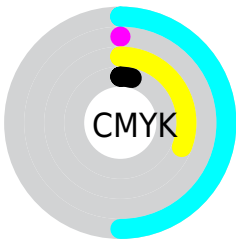
Distribution



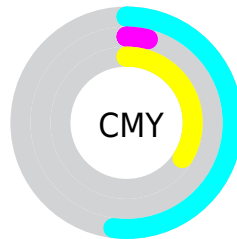
- Red (48%)
- Green (96%)
- Blue (66%)



- Red (48%)
- Yellow (83%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)



- Cyan (52%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 57.608, 152.260 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, 57.608, 152.260 by changing the saturation by 10% instead.

 88, 57.608,
152.260


 88, 57.608,
152.260


 100, 57.608,
152.260


 78, 57.608,
152.260

 68, 57.608,
152.260

 58, 57.608,
152.260

 48, 57.608,
152.260

 38, 57.608,
152.260


 28, 57.608,
152.260

 18, 57.608,


152.260

 8, 57.608, 152.260


 0, 57.608, 152.260


 88, 57.608,
152.260


 88, 57.608,
152.260


 87, 67.823,
150.792


 89, 46.674,
153.542


 86, 77.111,
149.123

 91, 35.235,
154.660


 86, 85.317,
147.253

 92, 23.501,
155.639

 85, 92.355,
145.208


 94, 11.655,
156.511

 85, 98.290,

 96, 0.153, 334.489

143.091

 97, 6.467, 324.619

 85, 98.359,
143.067

Harmonies

Complementary

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



88, 57.608, 152.260



68, 58.717, 341.625

Rectangle

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



88, 57.608, 152.260



88, 57.608, 202.260



88, 57.608, 332.260



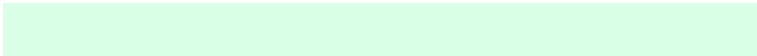
88, 57.608, 22.260

Sweetspot

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



88, 57.609, 152.260



97, 18.336, 156.072



91, 63.018, 121.708



51, 12.513, 155.886



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, 57.609, 152.260



90, 70.250, 150.752



89, 38.225, 184.055



50, 6.709, 156.544



66, 79.428, 143.457



21, 32.778, 146.869

Inverse Universe

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



68, 58.717, 341.625



66, 71.015, 342.880



66, 49.990, 15.353



48, 6.757, 337.885



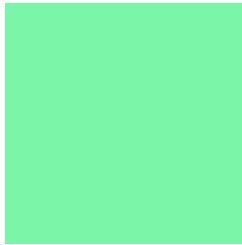
41, 70.007, 350.305



9, 31.989, 346.423

Previews

White Background



This preview shows how the CIELCh color 88, 57.608, 152.260 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, 57.608, 152.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

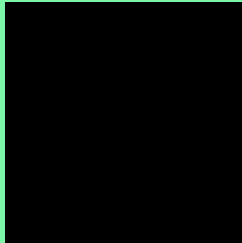
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 57.608, 152.260

Background



This preview shows how black text looks on a background with the CIELCh color 88, 57.608, 152.260.

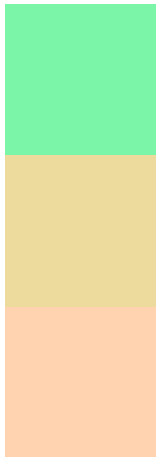


This preview shows how white text looks on a background with the CIELCh color 88, 57.608, 152.260.

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, 57.608, 152.260

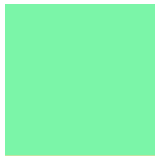
Protanopia
87, 33.297, 95.592

Deuteranopia
87, 25.420, 65.470

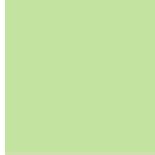


Tritanopia
88, 28.334, 218.491

Trichromacy



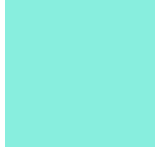
Original Color
88, 57.608, 152.260



Protanomaly
87, 37.289, 127.148



Deuteranomaly
87, 26.644, 121.291



Tritanomaly
88, 33.573, 182.684

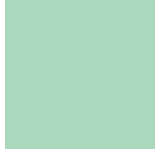
Monochromacy



Original Color
88, 57.608, 152.260



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 22.119, 155.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 57.608, 152.260 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(123, 245, 168)` looks like.

```
.text, #text, p{  
    color:rgb(123, 245, 168)  
}
```

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(123, 245, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 245, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 57.608, 152.260 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(123, 245, 168) }
```

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

```
.border{ border-color:rgb(123, 245, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 245, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 245, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 245, 168);  
box-shadow:4px 4px 4px 4px rgb(123, 245,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 57.608, 152.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 245, 168) }
```

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

```
.background{ background-color: rgb(123,  
245, 168) }
```

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