

Converting Colors

CIELCh(90, 66.071, 158.536)

Have a look what the booklet for
CIELCh(90, 66.071, 158.536)
contains.

CIELCh(90, 66.071, 158.536)	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(90, 66.071, 158.536)

Conversions

Conversions Part 1

Format	Color
Hex	50FFB2
RGB	80, 255, 178
RGB Percent	31%, 100%, 70%
CMY	0.6872, 0.0007, 0.3026
CMYK	0.69, 0.00, 0.30, 0.00
HSL	154°, 100%, 66%
HSV	154°, 69%, 100%
XYZ	47.0071, 76.3034, 54.2791
YIQ	193.8970, -79.5830, -61.0470

Conversions

Conversions Part 2

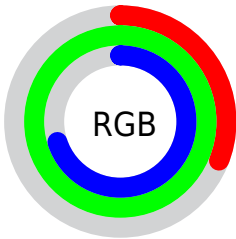
Format	Color
RYB	80, 192, 255
Decimal	5308338
CIELab	90.00, -61.49, 24.18
CIELCh	90, 66.071, 158.536
Yxy	76.3034, 0.2647, 0.4297
Android (android.graphics.Color)	4283498418 (0xFF50FFB2)
YUV	193.8970, -7.8372, -99.8877
Hunter-Lab	87.3518, -56.8084, 24.3043

Details

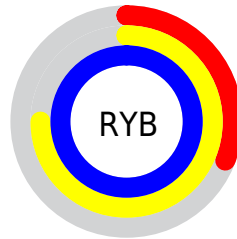
The CIELCh color **90, 66.071, 158.536** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **61, 71.672, 356.927**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.770, 179.448**, and **70, 63.181, 156.926** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.896, 156.620**, and if you desaturate by 10%, it is **91, 58.257, 160.237**.

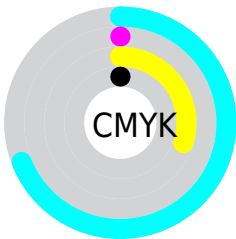
Distribution



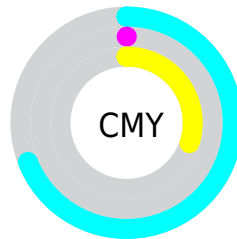
- Red (31%)
- Green (100%)
- Blue (70%)



- Red (31%)
- Yellow (75%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 66.071, 158.536 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 90, 66.071, 158.536 by changing the saturation by 10% instead.


 90, 66.071,
158.536


 90, 66.071,
158.536


 100, 66.071,
158.536


 80, 66.071,
158.536

 70, 66.071,
158.536

 60, 66.071,
158.536

 50, 66.071,
158.536

 40, 66.071,
158.536

 30, 66.071,
158.536

 20, 66.071,

158.536

■ 10, 66.071,
158.536

■ 0, 66.071, 158.536

■ 90, 66.071,
158.536

■ 90, 66.071,
158.536

■ 89, 72.896,
156.620

■ 91, 58.257,
160.237

■ 89, 78.710,
154.487

■ 92, 49.555,
161.741

■ 89, 83.628,
152.182

■ 93, 40.122,
163.074

■ 89, 84.239,
151.886

■ 95, 30.139,
164.262

■ 96, 19.786,
165.331

■ 98, 9.229, 166.318

100, 0.124,
321.938

Harmonies

Complementary

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



90, 66.071, 158.536



61, 71.672, 356.927

Rectangle

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



90, 66.071, 158.536



90, 66.071, 208.536



90, 66.071, 338.536



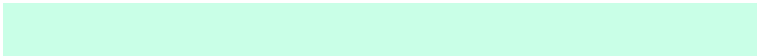
90, 66.071, 28.536

Sweetspot

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



90, 66.072, 158.536



96, 22.207, 165.094



91, 90.296, 127.994



51, 15.002, 164.802



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 66.072, 158.536



89, 74.969, 155.938



89, 42.538, 203.043



52, 6.037, 166.240



68, 67.314, 152.321



23, 29.142, 155.550

Inverse Universe

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



61, 71.672, 356.927



57, 79.676, 1.011



61, 74.192, 32.562



50, 6.137, 347.825



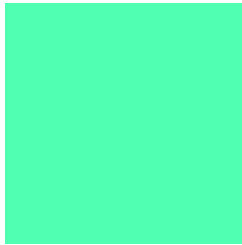
41, 68.018, 7.931



10, 31.434, 1.434

Previews

White Background



This preview shows how the CIE LCh color 90, 66.071, 158.536 looks on a white background.

Color Contrast Check

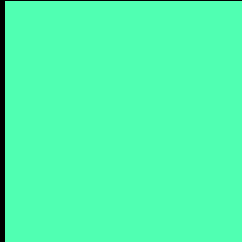
Large Text (above 18pt) WCAG AA × Fail

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 90, 66.071, 158.536 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

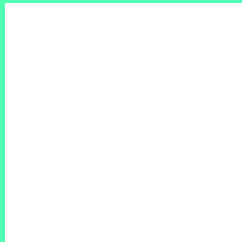
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 66.071, 158.536

Background



This preview shows how black text looks on a background with the CIELCh color 90, 66.071, 158.536.

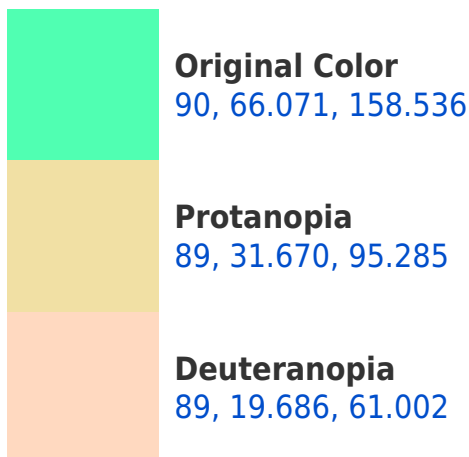



This preview shows how white text looks on a background with the CIELCh color 90, 66.071, 158.536.

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
90, 28.081, 215.183

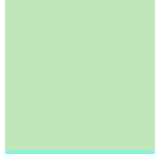
Trichromacy



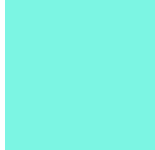
Original Color
90, 66.071, 158.536



Protanomaly
88, 39.439, 137.422



Deuteranomaly
88, 27.268, 140.900

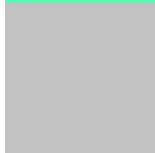


Tritanomaly
89, 38.371, 182.712

Monochromacy



Original Color
90, 66.071, 158.536



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 27.147, 164.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 66.071, 158.536 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(80, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 178)  
}
```

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(80, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 66.071, 158.536 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(80, 255, 178) }
```

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

```
.border{ border-color:rgb(80, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 66.071, 158.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 178) }
```

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

```
.background{ background-color: rgb(80, 255,  
178) }
```

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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