

Converting Colors

CIELCh(91, 58.800, 158.653)

Have a look what the booklet for
CIELCh(91, 58.800, 158.653)
contains.

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Color

CIELCh(91, 58.800, 158.653)

Conversions

Conversions Part 1

Format	Color
Hex	6DFFBA
RGB	109, 255, 186
RGB Percent	43%, 100%, 73%
CMY	0.5716, 0.0000, 0.2698
CMYK	0.57, 0.00, 0.27, 0.00
HSL	152°, 100%, 71%
HSV	152°, 57%, 100%
XYZ	51.0530, 78.4833, 59.0285
YIQ	203.4800, -64.8670, -52.4110

Conversions

Conversions Part 2

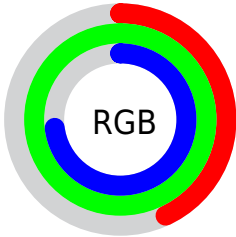
Format	Color
RYB	109, 205, 255
Decimal	7208890
CIELab	91.00, -54.77, 21.40
CIELCh	91, 58.800, 158.653
Yxy	78.4833, 0.2707, 0.4162
Android (android.graphics.Color)	4285398970 (0xFF6DFFBA)
YUV	203.4800, -8.6176, -82.8590
Hunter-Lab	88.5908, -52.1683, 22.5084

Details

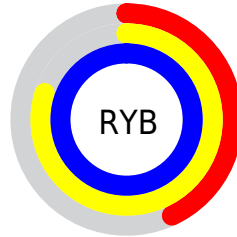
The CIELCh color **91, 58.800, 158.653** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **66, 62.758, 352.117**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.440, 183.950**, and **71, 58.516, 158.878** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.982, 157.031**, and if you desaturate by 10%, it is **92, 49.519, 160.178**.

Distribution



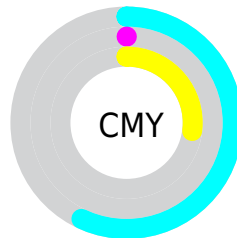
- Red (43%)
- Green (100%)
- Blue (73%)



- Red (43%)
- Yellow (80%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 58.800, 158.653 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 91, 58.800, 158.653 by changing the saturation by 10% instead.


 91, 58.800,
158.653


 91, 58.800,
158.653


 100, 58.800,
158.653


 81, 58.800,
158.653

 71, 58.800,
158.653

 61, 58.800,
158.653

 51, 58.800,
158.653

 41, 58.800,
158.653

 31, 58.800,
158.653

 21, 58.800,

158.653

■ 11, 58.800,
158.653

■ 1, 58.800, 158.653

■ 91, 58.800,
158.653

■ 91, 58.800,
158.653

■ 90, 66.982,
157.031

■ 92, 49.519,
160.178

■ 89, 74.298,
155.145

■ 93, 39.663,
161.481

■ 89, 80.587,
153.041

■ 95, 29.301,
162.639

■ 89, 85.915,
150.751

■ 97, 18.616,
163.678

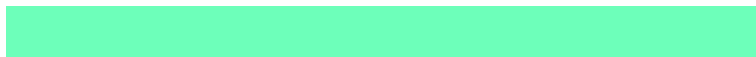
■ 89, 87.326,
150.103

■ 98, 7.773, 164.642
100, 0.012,
296.813

Harmonies

Complementary

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



91, 58.800, 158.653



66, 62.758, 352.117

Rectangle

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



91, 58.800, 158.653



91, 58.800, 208.653



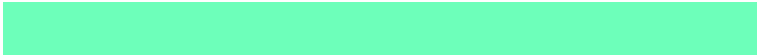
91, 58.800, 338.653



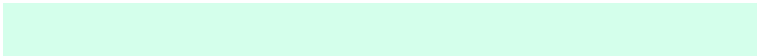
91, 58.800, 28.653

Sweetspot

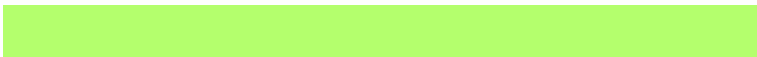
The Sweet Spot groups the original color and five complimentary colors.



91, 58.682, 158.703



97, 18.445, 163.694



93, 76.647, 127.077



51, 12.328, 163.494



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 58.682, 158.703



90, 68.406, 156.701



92, 39.756, 198.816



52, 6.175, 164.417



68, 69.724, 150.537



23, 30.118, 153.774

Inverse Universe

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



66, 62.758, 352.117



61, 72.733, 354.650



65, 61.554, 27.846



50, 6.265, 345.966



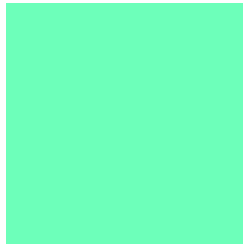
41, 68.038, 4.807



10, 31.632, 358.777

Previews

White Background



This preview shows how the CIE LCh color 91, 58.800, 158.653 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 91, 58.800, 158.653 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

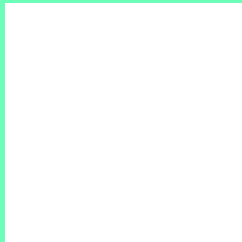
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 58.800, 158.653

Background



This preview shows how black text looks on a background with the CIELCh color 91, 58.800, 158.653.

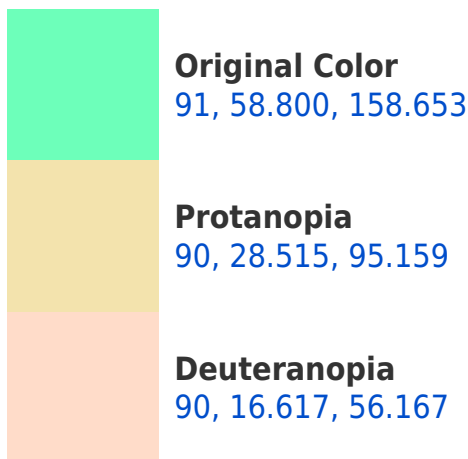


This preview shows how white text looks on a background with the CIELCh color 91, 58.800, 158.653.

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
91, 24.054, 217.074

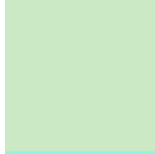
Trichromacy



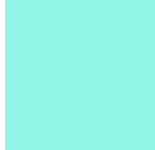
Original Color
91, 58.800, 158.653



Protanomaly
90, 34.411, 135.445



Deuteranomaly
89, 22.356, 139.137

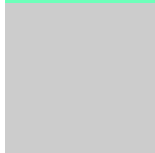


Tritanomaly
90, 32.832, 183.477

Monochromacy



Original Color
91, 58.800, 158.653



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 23.053, 163.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 58.800, 158.653 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(109, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 186)  
}
```

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(109, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 58.800, 158.653 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(109, 255, 186) }
```

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

```
.border{ border-color:rgb(109, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 58.800, 158.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 186) }
```

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

```
.background{ background-color: rgb(109,  
255, 186) }
```

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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