

Converting Colors

CIELCh(91, 51.168, 170.574)

Have a look what the booklet for
CIELCh(91, 51.168, 170.574)
contains.

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Color

CIELCh(91, 50.949, 170.885)

Conversions

Conversions Part 1

Format	Color
Hex	65FED4
RGB	101, 254, 212
RGB Percent	40%, 100%, 83%
CMY	0.6034, 0.0035, 0.1682
CMYK	0.60, 0.00, 0.17, 0.00
HSL	164°, 99%, 70%
HSV	164°, 60%, 100%
XYZ	52.7522, 78.4833, 74.7225
YIQ	203.4650, -77.7060, -45.4980

Conversions

Conversions Part 2

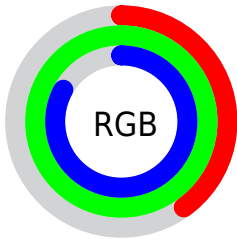
Format	Color
RYB	101, 190, 254
Decimal	6684372
CIELab	91.00, -50.31, 8.07
CIELCh	91, 50.949, 170.885
Yxy	78.4833, 0.2561, 0.3811
Android (android.graphics.Color)	4284874452 (0xFF65FED4)
YUV	203.4650, 4.2078, -89.8618
Hunter-Lab	88.5908, -48.7444, 12.0050

Details

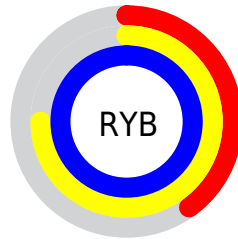
The CIELCh color **91, 50.949, 170.885** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 62.131, 7.188**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **71, 50.892, 170.826** is the 20% darker color. If you saturate the color by 10%, you get **90, 56.863, 169.303**, and if you desaturate by 10%, it is **92, 44.074, 172.302**.

Distribution



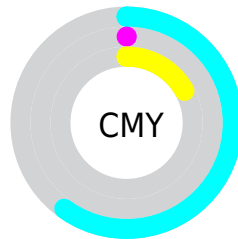
- Red (40%)
- Green (100%)
- Blue (83%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 50.949, 170.885 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, 50.949, 170.885 by changing the saturation by 10% instead.


 91, 50.949,
170.885


 91, 50.949,
170.885


 100, 50.949,
170.885


 81, 50.949,
170.885

 71, 50.949,
170.885

 61, 50.949,
170.885

 51, 50.949,
170.885

 41, 50.949,
170.885

 31, 50.949,
170.885

 21, 50.949,

170.885

■ 11, 50.949,
170.885

■ 1, 50.949, 170.885

■ 91, 50.949,
170.885

■ 91, 50.949,
170.885

■ 90, 56.863,
169.303

■ 92, 44.074,
172.302

■ 90, 61.756,
167.535

■ 93, 36.356,
173.583

■ 89, 65.651,
165.567

■ 94, 27.948,
174.752

■ 89, 68.688,
163.486

■ 96, 19.014,
175.832

■ 98, 9.714, 176.854

100, 0.191,
180.783

100, 0.562,
323.910

Harmonies

Complementary

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



91, 50.949, 170.885



64, 62.131, 7.188

Rectangle

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



91, 50.949, 170.885



91, 50.949, 220.885



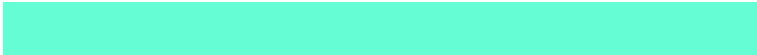
91, 50.949, 350.885



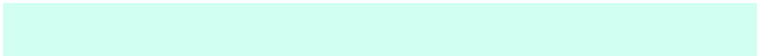
91, 50.949, 40.885

Sweetspot

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



91, 50.950, 170.884



97, 17.039, 176.060



91, 84.797, 133.107



51, 11.793, 175.757



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, 50.950, 170.884



90, 57.978, 168.997



83, 35.703, 227.291



52, 5.431, 176.926



69, 55.138, 163.883



23, 24.315, 166.788

Inverse Universe

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



64, 62.131, 7.188



59, 72.737, 10.958



69, 57.333, 41.872



50, 5.597, 358.601



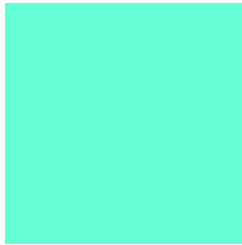
40, 71.615, 23.521



10, 31.574, 14.460

Previews

White Background



This preview shows how the CIELCh color 91, 50.949, 170.885 looks on a white background.

Color Contrast Check

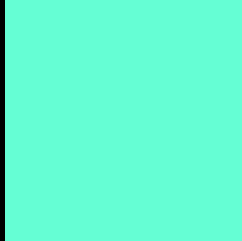
Large Text (above 18pt) WCAG AA × Fail

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, 50.949, 170.885 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, 50.949, 170.885

Background



This preview shows how black text looks on a background with the CIELCh color 91, 50.949, 170.885.

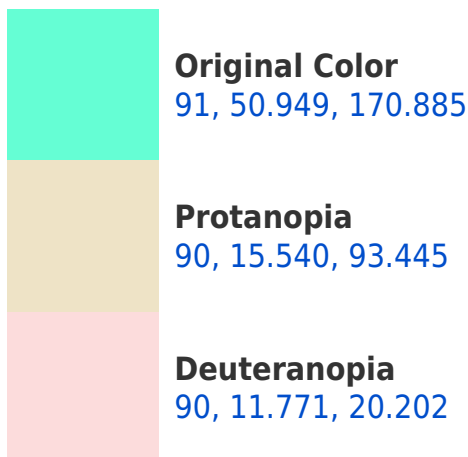



This preview shows how white text looks on a background with the CIELCh color 91, 50.949, 170.885.

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



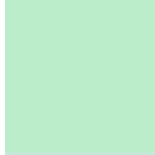


Tritanopia
91, 24.728, 215.201

Trichromacy



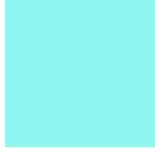
Original Color
91, 50.949, 170.885



Protanomaly
90, 24.992, 152.960



Deuteranomaly
89, 14.700, 166.354

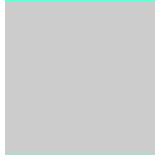


Tritanomaly
91, 32.694, 190.891

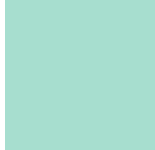
Monochromacy



Original Color
91, 50.949, 170.885



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 20.731, 175.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 50.949, 170.885 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(101, 254, 212)` looks like.

```
.text, #text, p{  
    color:rgb(101, 254, 212)  
}
```

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(101, 254, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 50.949, 170.885 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(101, 254, 212) }
```

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

```
.border{ border-color:rgb(101, 254, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 254, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 212);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 50.949, 170.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 254, 212) }
```

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

```
.background{ background-color: rgb(101,  
254, 212) }
```

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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