

Converting Colors

CIELCh(91, 49.114, 174.157)

Have a look what the booklet for
CIELCh(91, 49.114, 174.157)
contains.

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Color

CIELCh(91, 49.188, 173.966)

Conversions

Conversions Part 1

Format	Color
Hex	65FEDA
RGB	101, 254, 218
RGB Percent	40%, 100%, 85%
CMY	0.6053, 0.0051, 0.1462
CMYK	0.60, 0.00, 0.14, 0.01
HSL	166°, 98%, 69%
HSV	166°, 60%, 99%
XYZ	53.2895, 78.4833, 78.4692
YIQ	204.1490, -79.6320, -43.6320

Conversions

Conversions Part 2

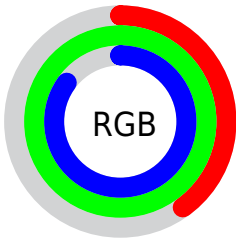
Format	Color
RYB	101, 188, 254
Decimal	6684378
CIELab	91.00, -48.92, 5.17
CIELCh	91, 49.188, 173.966
Yxy	78.4833, 0.2535, 0.3733
Android (android.graphics.Color)	4284874458 (0xFF65FEDA)
YUV	204.1490, 6.8285, -90.4617
Hunter-Lab	88.5908, -47.6620, 9.4975

Details

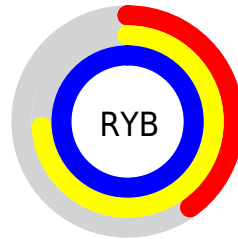
The CIELCh color **91, 49.188, 173.966** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **63, 62.106, 10.275**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **71, 49.044, 174.099** is the 20% darker color. If you saturate the color by 10%, you get **90, 54.682, 172.470**, and if you desaturate by 10%, it is **92, 42.711, 175.313**.

Distribution



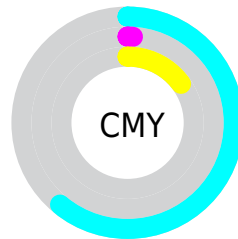
- Red (40%)
- Green (100%)
- Blue (85%)



- Red (40%)
- Yellow (74%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 49.188, 173.966 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, 49.188, 173.966 by changing the saturation by 10% instead.


 91, 49.188,
173.966


 91, 49.188,
173.966

 100, 49.188,
173.966


 81, 49.188,
173.966

 71, 49.188,
173.966

 61, 49.188,
173.966

 51, 49.188,
173.966

 41, 49.188,
173.966

 31, 49.188,
173.966

 21, 49.188,

173.966

■ 11, 49.188,
173.966

■ 1, 49.188, 173.966

■ 91, 49.188,
173.966

■ 91, 49.188,
173.966

■ 90, 54.682,
172.470

■ 92, 42.711,
175.313

■ 90, 59.140,
170.803

■ 93, 35.363,
176.538

■ 89, 62.592,
168.949

■ 94, 27.289,
177.665

■ 89, 65.165,
167.008

■ 96, 18.651,
178.715

■ 98, 9.607, 179.720

■ 99, 0.300, 182.568

■ 100, 0.817,
324.091

Harmonies

Complementary

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



91, 49.188, 173.966



63, 62.106, 10.275

Rectangle

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



91, 49.188, 173.966



91, 49.188, 223.966



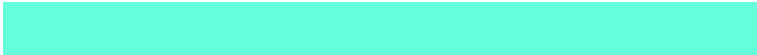
91, 49.188, 353.966



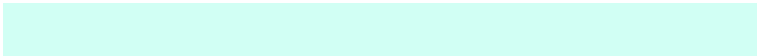
91, 49.188, 43.966

Sweetspot

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



91, 49.188, 173.965



97, 16.648, 178.951



90, 85.655, 133.964



51, 11.514, 178.655



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, 49.188, 173.965



91, 55.726, 172.200



81, 35.747, 232.717



52, 5.317, 179.802



69, 52.419, 167.381



23, 23.255, 170.104

Inverse Universe

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



63, 62.106, 10.275



59, 73.100, 14.141



70, 56.404, 44.582



50, 5.502, 1.457



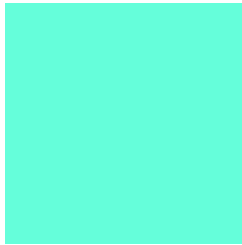
40, 73.280, 26.847



10, 31.781, 16.855

Previews

White Background



This preview shows how the CIE LCh color 91, 49.188, 173.966 looks on a white background.

Color Contrast Check

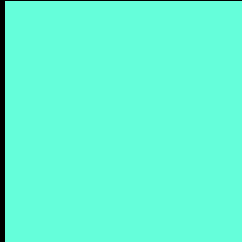
Large Text (above 18pt) WCAG AA × Fail

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, 49.188, 173.966 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, 49.188, 173.966

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.188, 173.966.

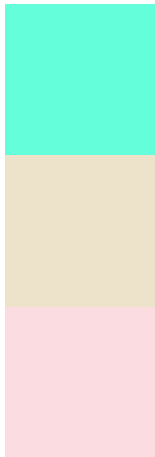


This preview shows how white text looks on a background with the CIELCh color 91, 49.188, 173.966.

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
91, 49.188, 173.966

Protanopia
90, 12.945, 92.349

Deuteranopia
90, 11.236, 6.903



Tritanopia
91, 24.983, 215.006

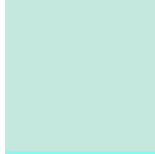
Trichromacy



Original Color
91, 49.188, 173.966



Protanomaly
90, 23.383, 157.820



Deuteranomaly
89, 13.674, 176.095

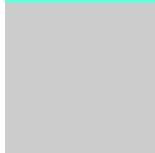


Tritanomaly
91, 32.665, 192.737

Monochromacy



Original Color
91, 49.188, 173.966



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 20.560, 178.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.188, 173.966 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(101, 254, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.188, 173.966 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, 218) }
```

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

```
.border{ border-color:rgb(101, 254, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 218);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.188, 173.966 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, 218) }
```

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

```
.background{ background-color: rgb(101,  
254, 218) }
```

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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