

Converting Colors

CIELCh(91, 47.730, 172.247)

Have a look what the booklet for
CIELCh(91, 47.730, 172.247)
contains.

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Color

CIELCh(91, 47.796, 172.011)

Conversions

Conversions Part 1

Format	Color
Hex	6FFDD7
RGB	111, 253, 215
RGB Percent	44%, 99%, 84%
CMY	0.5650, 0.0081, 0.1571
CMYK	0.56, 0.00, 0.15, 0.01
HSL	164°, 97%, 71%
HSV	164°, 56%, 99%
XYZ	53.9058, 78.4833, 76.5522
YIQ	206.2100, -72.4340, -41.9220

Conversions

Conversions Part 2

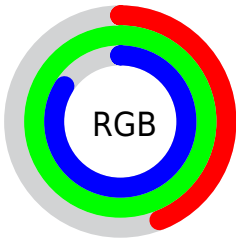
Format	Color
RYB	111, 193, 253
Decimal	7339479
CIELab	91.00, -47.33, 6.64
CIELCh	91, 47.796, 172.011
Yxy	78.4833, 0.2580, 0.3756
Android (android.graphics.Color)	4285529559 (0xFF6FFDD7)
YUV	206.2100, 4.3335, -83.4992
Hunter-Lab	88.5908, -46.4202, 10.7805

Details

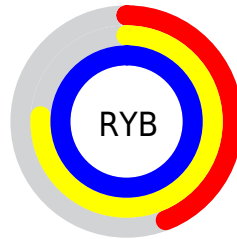
The CIELCh color **91, 47.796, 172.011** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 57.915, 6.650**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.210, 197.801**, and **71, 48.106, 171.644** is the 20% darker color. If you saturate the color by 10%, you get **90, 54.019, 170.511**, and if you desaturate by 10%, it is **92, 40.655, 173.359**.

Distribution



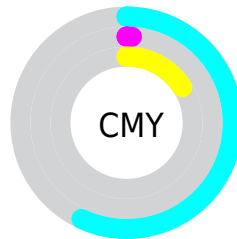
- Red (44%)
- Green (99%)
- Blue (84%)



- Red (44%)
- Yellow (76%)
- Blue (99%)



- Cyan (56%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)





- Cyan (57%)
- Magenta (1%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 47.796, 172.011 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, 47.796, 172.011 by changing the saturation by 10% instead.


 91, 47.796,
172.011


 91, 47.796,
172.011


 100, 47.796,
172.011


 81, 47.796,
172.011

 71, 47.796,
172.011

 61, 47.796,
172.011

 51, 47.796,
172.011

 41, 47.796,
172.011

 31, 47.796,
172.011

 21, 47.796,

172.011

■ 11, 47.796,
172.011

■ 1, 47.796, 172.011

■ 91, 47.796,
172.011

■ 91, 47.796,
172.011

■ 90, 54.019,
170.511

■ 92, 40.655,
173.359

■ 90, 59.237,
168.837

■ 93, 32.727,
174.583

■ 89, 63.438,
166.969

■ 95, 24.173,
175.707

■ 89, 66.709,
164.907

■ 96, 15.154,
176.754

■ 89, 67.822,
164.092

■ 98, 5.823, 177.780
■ 99, 1.291, 324.247

Harmonies

Complementary

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



91, 47.796, 172.011



65, 57.915, 6.650

Rectangle

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



91, 47.796, 172.011



91, 47.796, 222.011



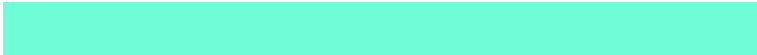
91, 47.796, 352.011



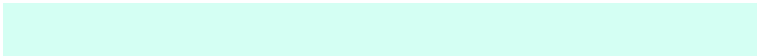
91, 47.796, 42.011

Sweetspot

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



91, 47.797, 172.010



97, 16.045, 176.666



91, 79.447, 133.305



51, 10.703, 176.460



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, 47.797, 172.010



91, 54.859, 170.370



83, 33.968, 226.510



52, 5.410, 177.428



69, 54.647, 164.480



23, 24.123, 167.357

Inverse Universe

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



65, 57.915, 6.650



61, 68.553, 9.785



70, 52.468, 41.630



50, 5.579, 359.101



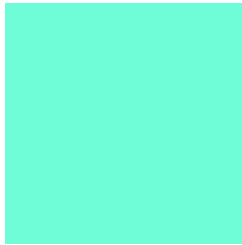
40, 71.892, 24.128



10, 31.609, 14.908

Previews

White Background



This preview shows how the CIE LCh color 91, 47.796, 172.011 looks on a white background.

Color Contrast Check

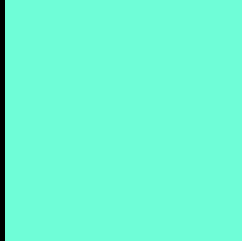
Large Text (above 18pt) WCAG AA × Fail

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, 47.796, 172.011 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

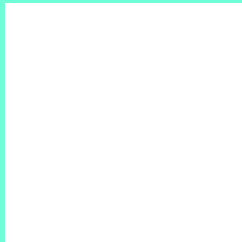
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 47.796, 172.011

Background



This preview shows how black text looks on a background with the CIELCh color 91, 47.796, 172.011.

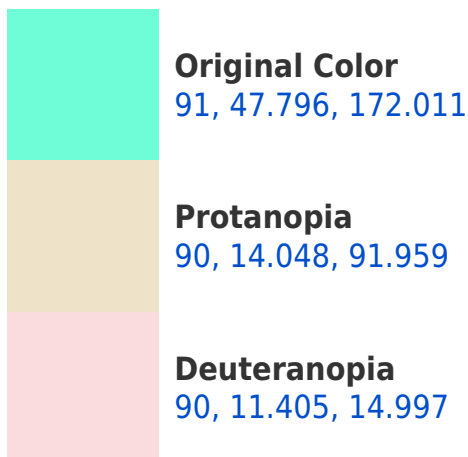


This preview shows how white text looks on a background with the CIELCh color 91, 47.796, 172.011.

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](#).

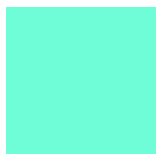
Dichromacy



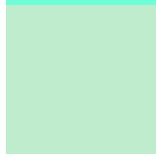


Tritanopia
91, 24.215, 215.606

Trichromacy



Original Color
91, 47.796, 172.011



Protanomaly
90, 22.252, 153.621



Deuteranomaly
89, 13.237, 167.810



Tritanomaly
91, 30.948, 192.583

Monochromacy



Original Color
91, 47.796, 172.011



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 19.586, 175.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 47.796, 172.011 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(111, 253, 215)` looks like.

```
.text, #text, p{  
    color:rgb(111, 253, 215)  
}
```

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(111, 253, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 253, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 47.796, 172.011 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(111, 253, 215) }
```

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

```
.border{ border-color:rgb(111, 253, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 253, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 253, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 253, 215); box-shadow:4px 4px 4px 4px rgb(111, 253, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 47.796, 172.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 253, 215) }
```

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

```
.background{ background-color: rgb(111,  
253, 215) }
```

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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