

Converting Colors

CIELCh(92, 46.720, 172.057)

Have a look what the booklet for
CIELCh(92, 46.720, 172.057)
contains.

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Color

CIELCh(92, 46.549, 172.158)

Conversions

Conversions Part 1

Format	Color
Hex	76FFDA
RGB	118, 255, 218
RGB Percent	46%, 100%, 85%
CMY	0.5358, 0.0000, 0.1438
CMYK	0.54, 0.00, 0.14, 0.00
HSL	164°, 100%, 73%
HSV	164°, 54%, 100%
XYZ	56.0951, 80.7044, 79.1849
YIQ	209.8190, -69.7750, -40.5510

Conversions

Conversions Part 2

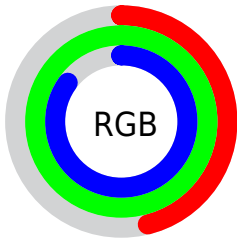
Format	Color
RYB	118, 197, 255
Decimal	7798746
CIELab	92.00, -46.11, 6.35
CIELCh	92, 46.549, 172.158
Yxy	80.7044, 0.2597, 0.3737
Android (android.graphics.Color)	4285988826 (0xFF76FFDA)
YUV	209.8190, 4.0332, -80.5253
Hunter-Lab	89.8356, -45.7536, 10.6242

Details

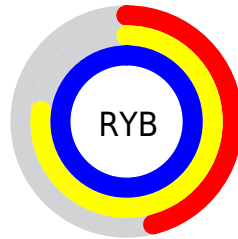
The CIELCh color **92, 46.549, 172.158** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **67, 55.710, 5.972**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.270, 197.921**, and **72, 46.882, 171.874** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.892, 170.851**, and if you desaturate by 10%, it is **93, 38.964, 173.628**.

Distribution



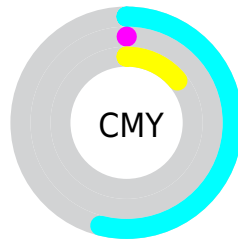
- Red (46%)
- Green (100%)
- Blue (85%)



- Red (46%)
- Yellow (77%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 46.549, 172.158 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 92, 46.549, 172.158 by changing the saturation by 10% instead.


 92, 46.549,
172.158


 92, 46.549,
172.158


 100, 46.549,
172.158


 82, 46.549,
172.158

 72, 46.549,
172.158

 62, 46.549,
172.158

 52, 46.549,
172.158

 42, 46.549,
172.158

 32, 46.549,
172.158

 22, 46.549,

172.158

■ 12, 46.549,
172.158

■ 2, 46.549, 172.158

■ 92, 46.549,
172.158

■ 92, 46.549,
172.158

■ 91, 52.892,
170.851

■ 93, 38.964,
173.628

■ 90, 58.413,
169.222

■ 94, 30.801,
174.825

■ 90, 62.906,
167.402

■ 96, 22.050,
175.928

■ 90, 66.428,
165.384

■ 97, 12.872,
176.962

■ 89, 68.316,
164.019

■ 99, 3.418, 178.038
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.



92, 46.549, 172.158



67, 55.710, 5.972

Rectangle

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



92, 46.549, 172.158



92, 46.549, 222.158



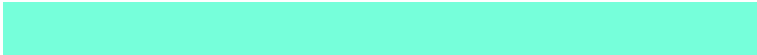
92, 46.549, 352.158



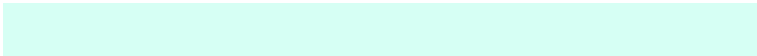
92, 46.549, 42.158

Sweetspot

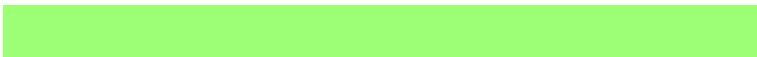
The Sweet Spot groups the original color and five complimentary colors.



92, 46.376, 172.311



97, 15.127, 176.716



92, 76.659, 133.439



51, 10.186, 176.505



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 46.376, 172.311



91, 53.146, 170.786



85, 33.094, 226.062



52, 5.412, 177.376



69, 54.697, 164.417



23, 24.143, 167.297

Inverse Universe

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



67, 55.710, 5.972



62, 65.853, 8.781



72, 49.911, 41.497



50, 5.581, 359.049



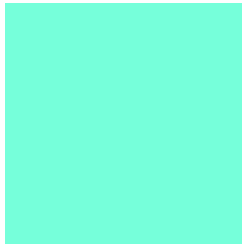
40, 71.863, 24.066



10, 31.605, 14.862

Previews

White Background



This preview shows how the CIE LCh color 92, 46.549, 172.158 looks on a white background.

Color Contrast Check

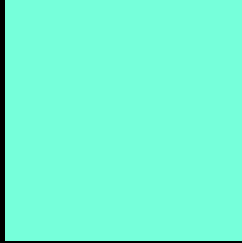
Large Text (above 18pt) WCAG AA × Fail

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 92, 46.549, 172.158 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 92, 46.549, 172.158

Background



This preview shows how black text looks on a background with the CIELCh color 92, 46.549, 172.158.

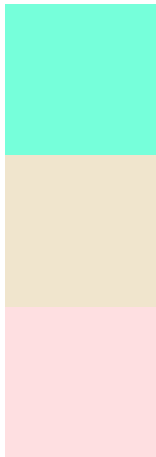


This preview shows how white text looks on a background with the CIELCh color 92, 46.549, 172.158.

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
92, 46.549, 172.158

Protanopia
91, 13.037, 90.778

Deuteranopia
91, 11.374, 14.984



Tritanopia
92, 21.481, 216.576

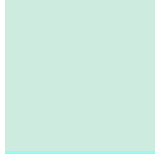
Trichromacy



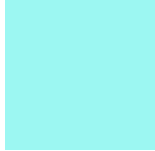
Original Color
92, 46.549, 172.158



Protanomaly
91, 20.964, 154.327



Deuteranomaly
91, 12.331, 168.291

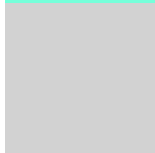


Tritanomaly
92, 28.886, 192.391

Monochromacy



Original Color
92, 46.549, 172.158



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 18.411, 176.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 46.549, 172.158 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(118, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 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(118, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 46.549, 172.158 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(118, 255, 218) }
```

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

```
.border{ border-color:rgb(118, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(118, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 46.549, 172.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 218) }
```

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

```
.background{ background-color: rgb(118,  
255, 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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