

Converting Colors

CIELCh(96, 53.854, 166.966)

Have a look what the booklet for
CIELCh(96, 53.854, 166.966)
contains.

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Color

CIELCh(92, 46.744, 172.251)

Conversions

Conversions Part 1

Format	Color
Hex	75FFDA
RGB	117, 255, 218
RGB Percent	46%, 100%, 85%
CMY	0.5393, 0.0000, 0.1434
CMYK	0.54, 0.00, 0.14, 0.00
HSL	164°, 100%, 73%
HSV	164°, 54%, 100%
XYZ	56.0135, 80.7044, 79.2491
YIQ	209.5200, -70.3710, -40.7630

Conversions

Conversions Part 2

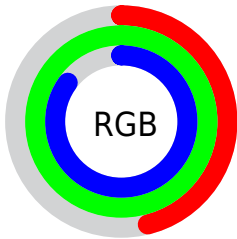
Format	Color
RYB	117, 197, 255
Decimal	7733210
CIELab	92.00, -46.32, 6.30
CIELCh	92, 46.744, 172.251
Yxy	80.7044, 0.2594, 0.3737
Android (android.graphics.Color)	4285923290 (0xFF75FFDA)
YUV	209.5200, 4.1806, -81.1400
Hunter-Lab	89.8356, -45.9157, 10.5819

Details

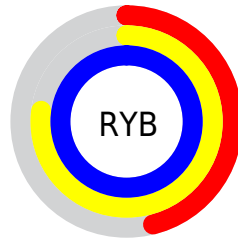
The CIELCh color **92, 46.744, 172.251** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **67, 56.053, 6.237**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **72, 46.994, 171.926** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.986, 170.982**, and if you desaturate by 10%, it is **93, 39.167, 173.761**.

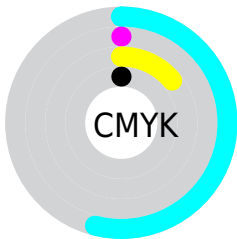
Distribution



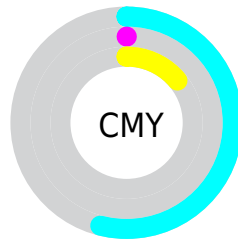
- Red (46%)
- Green (100%)
- Blue (85%)



- 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, 46.744, 172.251 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, 46.744, 172.251 by changing the saturation by 10% instead.


 92, 46.744,
172.251


 92, 46.744,
172.251


 100, 46.744,
172.251


 82, 46.744,
172.251

 72, 46.744,
172.251

 62, 46.744,
172.251

 52, 46.744,
172.251

 42, 46.744,
172.251

 32, 46.744,
172.251

 22, 46.744,

172.251

■ 12, 46.744,
172.251

■ 2, 46.744, 172.251

■ 92, 46.744,
172.251

■ 92, 46.744,
172.251

■ 91, 52.986,
170.982

■ 93, 39.167,
173.761

■ 90, 58.446,
169.352

■ 94, 31.049,
174.960

■ 90, 62.876,
167.530

■ 96, 22.333,
176.064

■ 90, 66.341,
165.512

■ 97, 13.184,
177.099

■ 89, 68.104,
164.226

■ 99, 3.750, 178.162
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, 46.744, 172.251



67, 56.053, 6.237

Rectangle

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



92, 46.744, 172.251



92, 46.744, 222.251



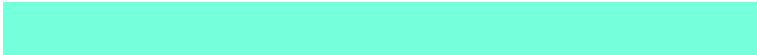
92, 46.744, 352.251



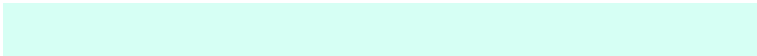
92, 46.744, 42.251

Sweetspot

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



92, 46.527, 172.444



97, 15.105, 176.889



92, 77.501, 133.874



51, 10.171, 176.678



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, 46.527, 172.444



91, 53.619, 170.816



84, 33.192, 228.708



52, 5.405, 177.548



69, 54.530, 164.623



23, 24.078, 167.493

Inverse Universe

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



67, 56.053, 6.237



62, 66.766, 9.277



72, 49.858, 42.945



50, 5.575, 359.220



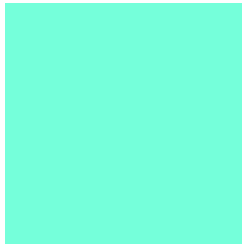
40, 71.959, 24.272



10, 31.617, 15.013

Previews

White Background



This preview shows how the CIE LCh color 92, 46.744, 172.251 looks on a white background.

Color Contrast Check

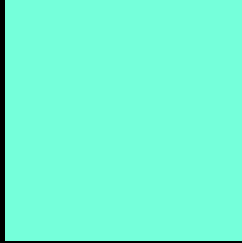
Large Text (above 18pt) WCAG AA × Fail

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, 46.744, 172.251 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, 46.744, 172.251

Background



This preview shows how black text looks on a background with the CIELCh color 92, 46.744, 172.251.

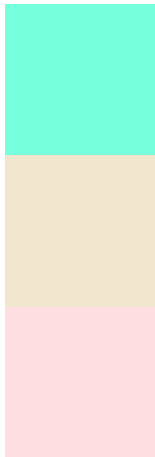


This preview shows how white text looks on a background with the CIELCh color 92, 46.744, 172.251.

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, 46.744, 172.251

Protanopia

91, 13.037, 90.778

Deuteranopia

91, 11.793, 12.690



Tritanopia
92, 21.750, 216.326

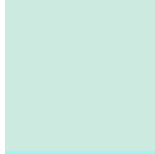
Trichromacy



Original Color
92, 46.744, 172.251



Protanomaly
91, 21.214, 154.937



Deuteranomaly
90, 12.065, 170.366

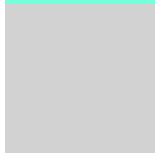


Tritanomaly
92, 29.148, 192.421

Monochromacy



Original Color
92, 46.744, 172.251



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 18.712, 176.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 46.744, 172.251 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(117, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 46.744, 172.251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

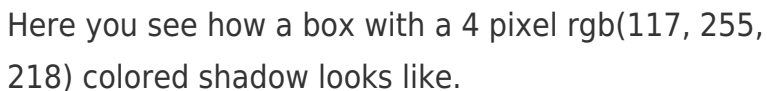
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 255, 218) }
```

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

```
.border{ border-color:rgb(117, 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(117, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 255, 218); box-shadow:4px 4px 4px 4px rgb(117, 255, 218) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 46.744, 172.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 218) }
```

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

```
.background{ background-color: rgb(117,  
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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