

Converting Colors

CIELCh(92, 48.352, 175.641)

Have a look what the booklet for
CIELCh(92, 48.352, 175.641)
contains.

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Color

CIELCh(92, 47.747, 176.038)

Conversions

Conversions Part 1

Format	Color
Hex	69FFE0
RGB	105, 255, 224
RGB Percent	41%, 100%, 88%
CMY	0.5868, 0.0000, 0.1209
CMYK	0.59, 0.00, 0.12, 0.00
HSL	168°, 100%, 71%
HSV	168°, 59%, 100%
XYZ	55.4877, 80.7044, 83.2850
YIQ	206.6160, -79.4490, -41.4410

Conversions

Conversions Part 2

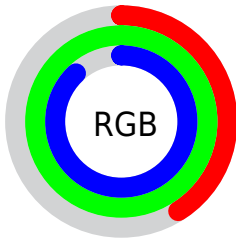
Format	Color
RYB	105, 189, 255
Decimal	6946784
CIELab	92.00, -47.63, 3.30
CIELCh	92, 47.747, 176.038
Yxy	80.7044, 0.2528, 0.3677
Android (android.graphics.Color)	4285136864 (0xFF69FFE0)
YUV	206.6160, 8.5703, -89.1172
Hunter-Lab	89.8356, -46.9604, 7.9182

Details

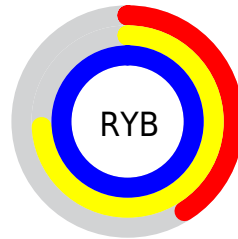
The CIELCh color **92, 47.747, 176.038** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 60.789, 12.064**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **72, 47.038, 176.852** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.596, 175.212**, and if you desaturate by 10%, it is **93, 40.810, 177.860**.

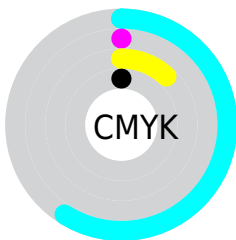
Distribution



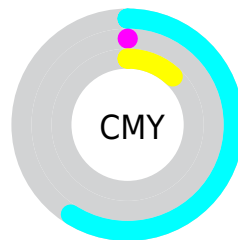
- Red (41%)
- Green (100%)
- Blue (88%)



- Red (41%)
- Yellow (74%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 47.747, 176.038 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, 47.747, 176.038 by changing the saturation by 10% instead.

 92, 47.747,
176.038


 92, 47.747,
176.038

 100, 47.747,
176.038

 82, 47.747,
176.038

 72, 47.747,
176.038

 62, 47.747,
176.038

 52, 47.747,
176.038

 42, 47.747,
176.038

 32, 47.747,
176.038

 22, 47.747,

176.038

■ 12, 47.747,
176.038

■ 2, 47.747, 176.038

■ 92, 47.747,
176.038

■ 92, 47.747,
176.038

■ 91, 52.596,
175.212

■ 93, 40.810,
177.860

■ 90, 56.942,
173.669

■ 94, 33.545,
179.015

■ 90, 60.258,
171.954

■ 95, 25.552,
180.087

■ 90, 62.692,
170.074

■ 97, 16.989,
181.096

■ 90, 62.986,
169.826

■ 98, 8.014, 182.079
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.



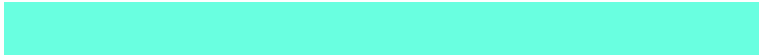
92, 47.747, 176.038



64, 60.789, 12.064

Rectangle

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



92, 47.747, 176.038



92, 47.747, 226.038



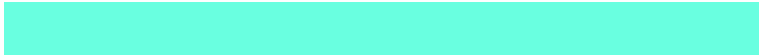
92, 47.747, 356.038



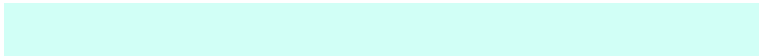
92, 47.747, 46.038

Sweetspot

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



92, 47.198, 176.601



97, 16.388, 181.164



91, 84.783, 134.880



51, 11.328, 180.876



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, 47.198, 176.601



91, 53.229, 175.018



81, 35.539, 237.681



52, 5.242, 181.997



69, 50.499, 170.182



23, 22.510, 172.733

Inverse Universe

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



64, 60.789, 12.064



60, 71.742, 15.711



72, 53.935, 47.408



50, 5.441, 3.623



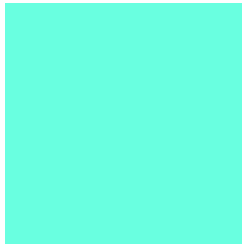
40, 74.646, 29.135



10, 31.948, 18.425

Previews

White Background



This preview shows how the CIE LCh color 92, 47.747, 176.038 looks on a white background.

Color Contrast Check

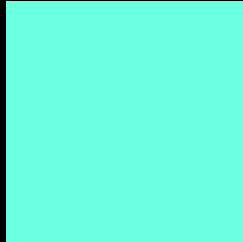
Large Text (above 18pt) WCAG AA × Fail

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, 47.747, 176.038 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, 47.747, 176.038

Background



This preview shows how black text looks on a background with the CIELCh color 92, 47.747, 176.038.

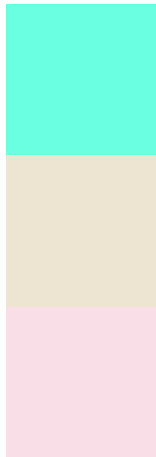


This preview shows how white text looks on a background with the CIELCh color 92, 47.747, 176.038.

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, 47.304, 176.534

Protanopia

91, 9.993, 87.657

Deuteranopia

91, 11.141, 355.525

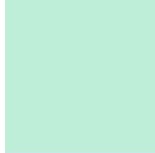


Tritanopia
91, 23.081, 215.173

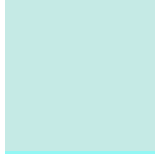
Trichromacy



Original Color
92, 47.304, 176.534



Protanomaly
90, 20.779, 162.991



Deuteranomaly
90, 13.052, 187.044

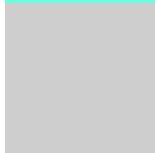


Tritanomaly
91, 30.959, 194.549

Monochromacy



Original Color
92, 47.304, 176.534



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 19.510, 180.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 47.747, 176.038 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(105, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 224)  
}
```

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(105, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 47.747, 176.038 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(105, 255, 224) }
```

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

```
.border{ border-color:rgb(105, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 47.747, 176.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 224) }
```

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

```
.background{ background-color: rgb(105,  
255, 224) }
```

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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