

Converting Colors

CIELCh(92, 48.609, 174.049)

Have a look what the booklet for
CIELCh(92, 48.609, 174.049)
contains.

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Color

CIELCh(92, 47.942, 174.795)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFDE
RGB	107, 255, 222
RGB Percent	42%, 100%, 87%
CMY	0.5791, 0.0000, 0.1289
CMYK	0.58, 0.00, 0.13, 0.00
HSL	167°, 100%, 71%
HSV	167°, 58%, 100%
XYZ	55.4433, 80.7044, 81.8587
YIQ	206.9860, -77.6150, -41.6390

Conversions

Conversions Part 2

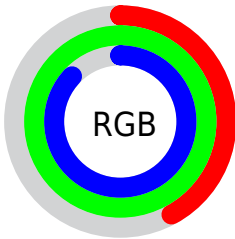
Format	Color
RYB	107, 190, 255
Decimal	7077854
CIELab	92.00, -47.74, 4.35
CIELCh	92, 47.942, 174.795
Yxy	80.7044, 0.2543, 0.3702
Android (android.graphics.Color)	4285267934 (0xFF6BFFDE)
YUV	206.9860, 7.4019, -87.6877
Hunter-Lab	89.8356, -47.0486, 8.8596

Details

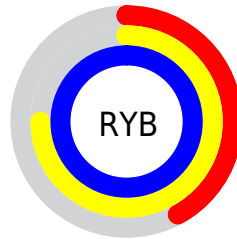
The CIELCh color **92, 47.942, 174.795** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 59.970, 10.583**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **72, 47.262, 175.533** is the 20% darker color. If you saturate the color by 10%, you get **91, 53.028, 173.906**, and if you desaturate by 10%, it is **93, 40.783, 176.621**.

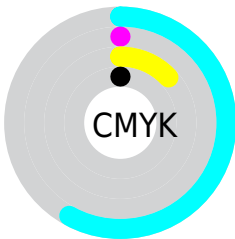
Distribution



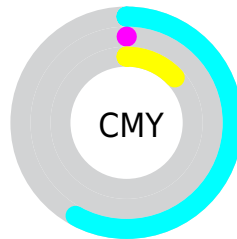
- Red (42%)
- Green (100%)
- Blue (87%)



- Red (42%)
- Yellow (75%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 47.942, 174.795 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, 47.942, 174.795 by changing the saturation by 10% instead.

 92, 47.942,
174.795


 92, 47.942,
174.795


 100, 47.942,
174.795


 82, 47.942,
174.795

 72, 47.942,
174.795

 62, 47.942,
174.795

 52, 47.942,
174.795

 42, 47.942,
174.795

 32, 47.942,
174.795

 22, 47.942,

174.795

■ 12, 47.942,
174.795

■ 2, 47.942, 174.795

■ 92, 47.942,
174.795

■ 92, 47.942,
174.795

■ 91, 53.028,
173.906

■ 93, 40.783,
176.621

■ 90, 57.623,
172.321

■ 94, 33.322,
177.800

■ 90, 61.188,
170.556

■ 95, 25.159,
178.890

■ 90, 63.848,
168.614

■ 97, 16.455,
179.914

■ 90, 64.351,
168.206

■ 98, 7.367, 180.911
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.



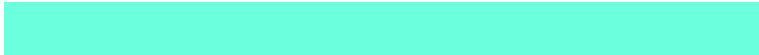
92, 47.942, 174.795



65, 59.970, 10.583

Rectangle

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



92, 47.942, 174.795



92, 47.942, 224.795



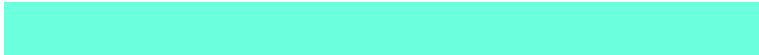
92, 47.942, 354.795



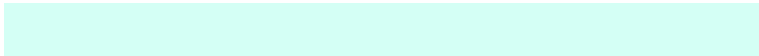
92, 47.942, 44.795

Sweetspot

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



92, 47.392, 175.331



97, 15.638, 180.005



91, 83.411, 134.514



51, 10.426, 179.804



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

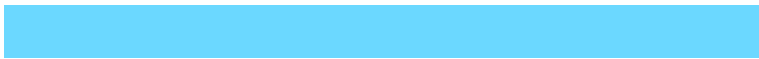
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 47.392, 175.331



91, 53.578, 173.742



81, 35.024, 234.827



52, 5.283, 180.749



69, 51.574, 168.575



23, 22.927, 171.228

Inverse Universe

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



65, 59.970, 10.583



60, 70.625, 14.049



72, 53.472, 45.943



50, 5.474, 2.394



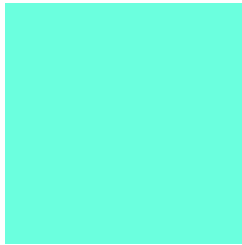
40, 73.862, 27.861



10, 31.853, 17.558

Previews

White Background



This preview shows how the CIE LCh color 92, 47.942, 174.795 looks on a white background.

Color Contrast Check

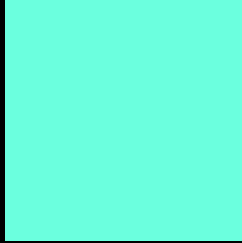
Large Text (above 18pt) WCAG AA × Fail

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, 47.942, 174.795 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, 47.942, 174.795

Background



This preview shows how black text looks on a background with the CIELCh color 92, 47.942, 174.795.

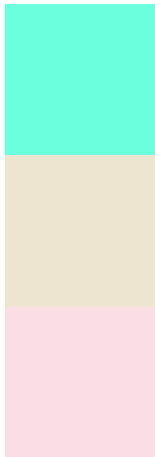


This preview shows how white text looks on a background with the CIELCh color 92, 47.942, 174.795.

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, 47.488, 175.277

Protanopia
91, 11.329, 92.123

Deuteranopia
91, 11.121, 1.225

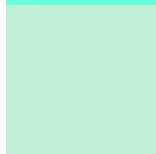


Tritanopia
91, 22.817, 215.392

Trichromacy



Original Color
92, 47.488, 175.277



Protanomaly
90, 21.444, 160.799

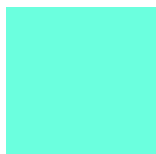


Deuteranomaly
90, 12.727, 181.941



Tritanomaly
91, 30.822, 193.568

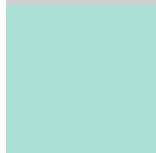
Monochromacy



Original Color
92, 47.488, 175.277



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 19.208, 180.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 47.942, 174.795 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(107, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 222)  
}
```

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(107, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 47.942, 174.795 is called "border". The border property can be set on classes, ids or directly on the HTML element.

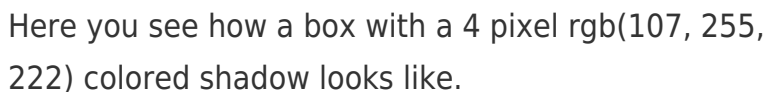
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 255, 222) }
```

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

```
.border{ border-color:rgb(107, 255, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 255, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 255, 222); box-shadow:4px 4px 4px 4px rgb(107, 255, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 47.942, 174.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 222) }
```

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

```
.background{ background-color: rgb(107,  
255, 222) }
```

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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