

Converting Colors

CIELCh(92, 47.700, 166.533)

Have a look what the booklet for
CIELCh(92, 47.700, 166.533)
contains.

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Color

CIELCh(92, 47.700, 166.533)

Conversions

Conversions Part 1

Format	Color
Hex	7EFFD1
RGB	126, 255, 209
RGB Percent	49%, 100%, 82%
CMY	0.5051, 0.0000, 0.1797
CMYK	0.51, 0.00, 0.18, 0.00
HSL	159°, 100%, 75%
HSV	159°, 51%, 100%
XYZ	55.9849, 80.7044, 73.0661
YIQ	211.1850, -62.1180, -41.6540

Conversions

Conversions Part 2

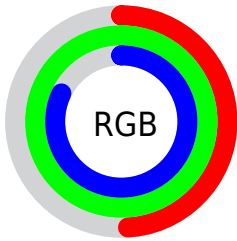
Format	Color
RYB	126, 204, 255
Decimal	8323025
CIELab	92.00, -46.39, 11.11
CIElCh	92, 47.700, 166.533
Yxy	80.7044, 0.2669, 0.3848
Android (android.graphics.Color)	4286513105 (0xFF7EFFD1)
YUV	211.1850, -1.0772, -74.7072
Hunter-Lab	89.8356, -45.9725, 14.6626

Details

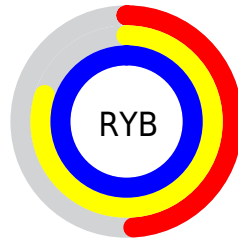
The CIELCh color **92, 47.700, 166.533** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **69, 53.644, 358.848**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **72, 47.736, 166.541** is the 20% darker color. If you saturate the color by 10%, you get **91, 55.285, 165.091**, and if you desaturate by 10%, it is **93, 39.118, 167.950**.

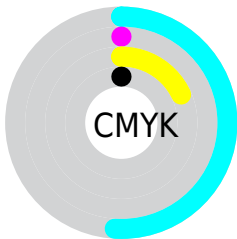
Distribution



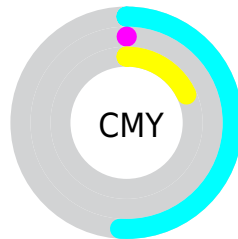
- Red (49%)
- Green (100%)
- Blue (82%)



- Red (49%)
- Yellow (80%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 47.700, 166.533 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, 47.700, 166.533 by changing the saturation by 10% instead.


 92, 47.700,
166.533


 92, 47.700,
166.533


 100, 47.700,
166.533


 82, 47.700,
166.533

 72, 47.700,
166.533

 62, 47.700,
166.533

 52, 47.700,
166.533

 42, 47.700,
166.533

 32, 47.700,
166.533

 22, 47.700,

166.533

■ 12, 47.700,
166.533

■ 2, 47.700, 166.533

■ 92, 47.700,
166.533

■ 92, 47.700,
166.533

■ 91, 55.285,
165.091

■ 93, 39.118,
167.950

■ 90, 62.039,
163.394

■ 95, 30.000,
169.164

■ 90, 67.789,
161.490

■ 96, 20.419,
170.269

■ 89, 72.551,
159.374

■ 98, 10.540,
171.297

■ 89, 76.330,
157.221

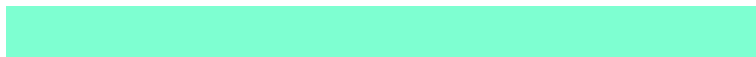
100, 0.507,
173.255

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.



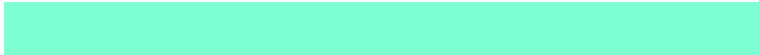
92, 47.700, 166.533



69, 53.644, 358.848

Rectangle

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



92, 47.700, 166.533



92, 47.700, 216.533



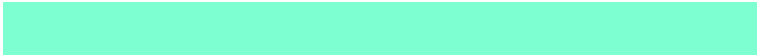
92, 47.700, 346.533



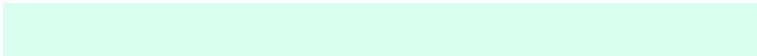
92, 47.700, 36.533

Sweetspot

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



92, 47.601, 166.601



97, 15.003, 170.842



93, 70.829, 131.151



51, 10.220, 170.625



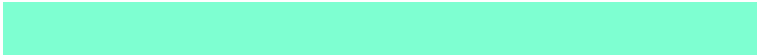
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 47.601, 166.601



91, 55.638, 165.012



88, 32.916, 213.435



52, 5.704, 171.399



69, 61.020, 157.649



23, 26.628, 160.784

Inverse Universe

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



69, 53.644, 358.848



64, 63.795, 1.214



71, 48.996, 34.479



50, 5.836, 353.057



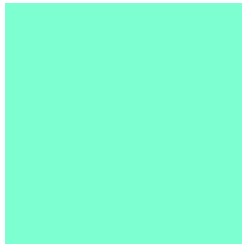
40, 69.098, 16.078



10, 31.300, 8.533

Previews

White Background



This preview shows how the CIE LCh color 92, 47.700, 166.533 looks on a white background.

Color Contrast Check

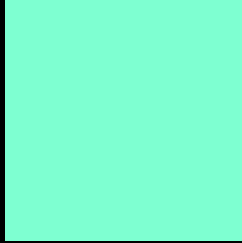
Large Text (above 18pt) WCAG AA × Fail

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, 47.700, 166.533 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

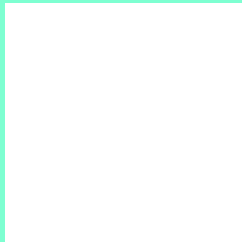
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 47.700, 166.533

Background



This preview shows how black text looks on a background with the CIELCh color 92, 47.700, 166.533.

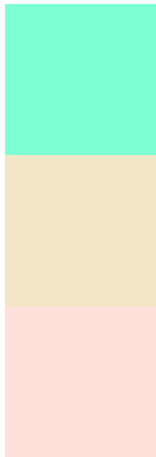


This preview shows how white text looks on a background with the CIELCh color 92, 47.700, 166.533.

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, 47.700, 166.533

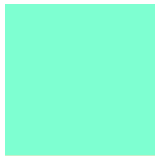
Protanopia
91, 18.093, 94.173

Deuteranopia
91, 12.121, 32.401



Tritanopia
92, 20.793, 218.800

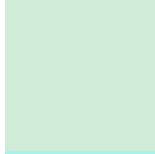
Trichromacy



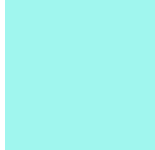
Original Color
92, 47.700, 166.533



Protanomaly
91, 24.289, 144.109



Deuteranomaly
91, 14.248, 151.917

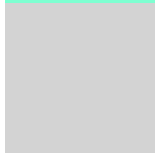


Tritanomaly
91, 27.963, 189.036

Monochromacy



Original Color
92, 47.700, 166.533



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 18.835, 169.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 47.700, 166.533 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(126, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 209)  
}
```

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(126, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 47.700, 166.533 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(126, 255, 209) }
```

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

```
.border{ border-color:rgb(126, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 47.700, 166.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 209) }
```

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

```
.background{ background-color: rgb(126,  
255, 209) }
```

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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