

Converting Colors

CIELCh(100, 64.810, 157.799)

Have a look what the booklet for
CIELCh(100, 64.810, 157.799)
contains.

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Color

CIELCh(92, 49.803, 165.066)

Conversions

Conversions Part 1

Format	Color
Hex	7BFFCE
RGB	123, 255, 206
RGB Percent	48%, 100%, 81%
CMY	0.5182, 0.0000, 0.1929
CMYK	0.52, 0.00, 0.19, 0.00
HSL	158°, 100%, 74%
HSV	158°, 52%, 100%
XYZ	55.2936, 80.7044, 70.9267
YIQ	209.9460, -62.9430, -43.2230

Conversions

Conversions Part 2

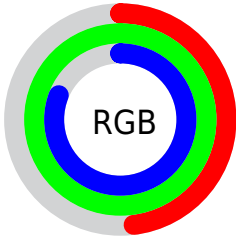
Format	Color
RYB	123, 204, 255
Decimal	8126414
CIELab	92.00, -48.12, 12.83
CIELCh	92, 49.803, 165.066
Yxy	80.7044, 0.2672, 0.3900
Android (android.graphics.Color)	4286316494 (0xFF7BFFCE)
YUV	209.9460, -1.9454, -76.2516
Hunter-Lab	89.8356, -47.3462, 16.0745

Details

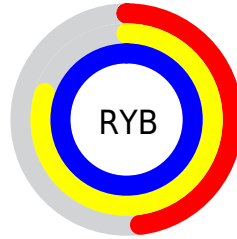
The CIELCh color **92, 49.803, 165.066** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **68, 55.258, 357.925**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **72, 48.970, 165.773** is the 20% darker color. If you saturate the color by 10%, you get **91, 57.110, 163.799**, and if you desaturate by 10%, it is **93, 40.817, 166.717**.

Distribution



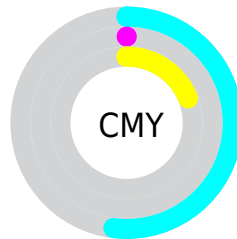
- Red (48%)
- Green (100%)
- Blue (81%)



- Red (48%)
- Yellow (80%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 49.803, 165.066 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, 49.803, 165.066 by changing the saturation by 10% instead.

 92, 49.803,
165.066

 92, 49.803,
165.066

 100, 49.803,
165.066

 82, 49.803,
165.066

 72, 49.803,
165.066

 62, 49.803,
165.066

 52, 49.803,
165.066

 42, 49.803,
165.066

 32, 49.803,
165.066

 22, 49.803,


165.066


 12, 49.803,
165.066


 2, 49.803, 165.066


 92, 49.803,
165.066


 92, 49.803,
165.066


 91, 57.110,
163.799

 93, 40.817,
166.717


 90, 63.913,
162.062

 94, 31.618,
167.950

 90, 69.711,
160.114

 96, 21.948,
169.067

 89, 74.528,
157.954

 98, 11.973,
170.099

■ 89, 77.896,
156.080

■ 100, 1.840,
171.278

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, 49.803, 165.066



68, 55.258, 357.925

Rectangle

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



92, 49.803, 165.066



92, 49.803, 215.066



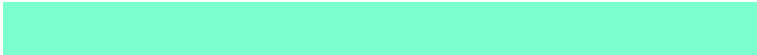
92, 49.803, 345.066



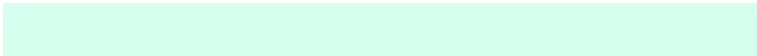
92, 49.803, 35.066

Sweetspot

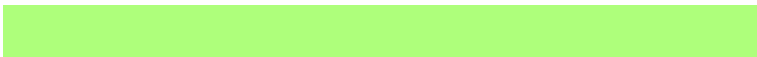
The Sweet Spot groups the original color and five complimentary colors.



92, 49.368, 165.342



97, 16.174, 169.675



93, 72.169, 130.574



51, 10.903, 169.463



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

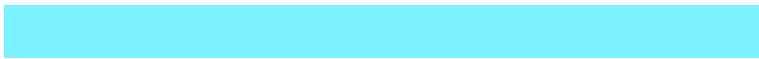
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 49.368, 165.342



91, 57.244, 163.768



89, 33.912, 211.244



52, 5.766, 170.331



69, 62.258, 156.511



23, 27.119, 159.675

Inverse Universe

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



68, 55.258, 357.925



63, 64.942, 0.223



70, 51.097, 33.376



50, 5.891, 351.979



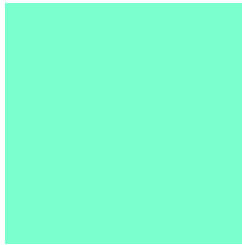
41, 68.756, 14.484



10, 31.284, 7.149

Previews

White Background



This preview shows how the CIE LCh color 92, 49.803, 165.066 looks on a white background.

Color Contrast Check

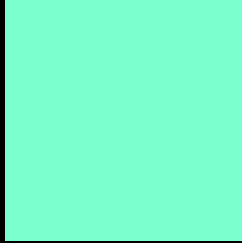
Large Text (above 18pt) WCAG AA × Fail

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, 49.803, 165.066 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, 49.803, 165.066

Background



This preview shows how black text looks on a background with the CIELCh color 92, 49.803, 165.066.

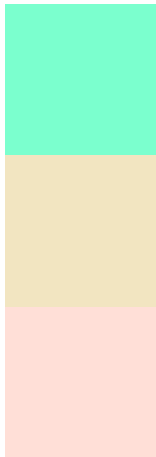


This preview shows how white text looks on a background with the CIELCh color 92, 49.803, 165.066.

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, 49.276, 165.422

Protanopia
91, 19.205, 93.705

Deuteranopia
91, 12.606, 39.176



Tritanopia
91, 21.328, 218.234

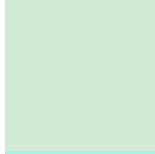
Trichromacy



Original Color
92, 49.276, 165.422



Protanomaly
90, 25.167, 142.763



Deuteranomaly
91, 15.675, 149.029

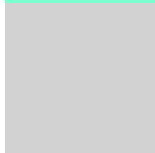


Tritanomaly
91, 28.918, 188.209

Monochromacy



Original Color
92, 49.276, 165.422



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 19.424, 168.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 49.803, 165.066 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(123, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 206)  
}
```

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(123, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 49.803, 165.066 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(123, 255, 206) }
```

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

```
.border{ border-color:rgb(123, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 49.803, 165.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 206) }
```

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

```
.background{ background-color: rgb(123,  
255, 206) }
```

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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