

Converting Colors

CIELCh(92, 46.067, 166.759)

Have a look what the booklet for
CIELCh(92, 46.067, 166.759)
contains.

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Color

CIELCh(92, 46.344, 166.401)

Conversions

Conversions Part 1

Format	Color
Hex	83FFD2
RGB	131, 255, 210
RGB Percent	51%, 100%, 82%
CMY	0.4878, 0.0015, 0.1779
CMYK	0.49, 0.00, 0.18, 0.00
HSL	158°, 99%, 76%
HSV	158°, 49%, 100%
XYZ	56.5251, 80.7044, 73.3318
YIQ	212.7940, -59.4590, -40.2830

Conversions

Conversions Part 2

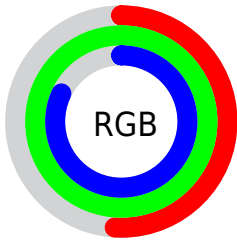
Format	Color
RYB	131, 207, 255
Decimal	8650706
CIELab	92.00, -45.04, 10.90
CIELCh	92, 46.344, 166.401
Yxy	80.7044, 0.2684, 0.3833
Android (android.graphics.Color)	4286840786 (0xFF83FFD2)
YUV	212.7940, -1.3774, -71.7333
Hunter-Lab	89.8356, -44.8992, 14.4872

Details

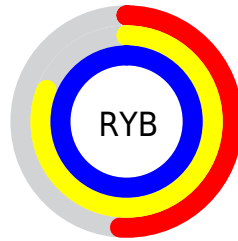
The CIELCh color **92, 46.344, 166.401** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 51.847, 357.992**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **72, 46.324, 166.444** is the 20% darker color. If you saturate the color by 10%, you get **91, 54.247, 164.917**, and if you desaturate by 10%, it is **93, 37.677, 167.725**.

Distribution



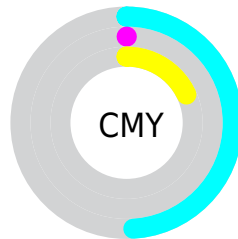
- Red (51%)
- Green (100%)
- Blue (82%)



- Red (51%)
- Yellow (81%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 46.344, 166.401 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, 46.344, 166.401 by changing the saturation by 10% instead.


 92, 46.344,
166.401


 92, 46.344,
166.401


 100, 46.344,
166.401


 82, 46.344,
166.401

 72, 46.344,
166.401

 62, 46.344,
166.401

 52, 46.344,
166.401

 42, 46.344,
166.401

 32, 46.344,
166.401

 22, 46.344,

166.401

■ 12, 46.344,
166.401

■ 2, 46.344, 166.401

■ 92, 46.344,
166.401

■ 92, 46.344,
166.401

■ 91, 54.247,
164.917

■ 93, 37.677,
167.725

■ 90, 61.244,
163.250

■ 95, 28.410,
168.918

■ 90, 67.247,
161.378

■ 96, 18.718,
170.006

■ 89, 72.253,
159.292

■ 98, 8.762, 171.025

100, 0.246,

■ 89, 76.392,
157.025

323.190

■ 89, 76.903,
156.734

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



92, 46.344, 166.401



70, 51.847, 357.992

Rectangle

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



92, 46.344, 166.401



92, 46.344, 216.401



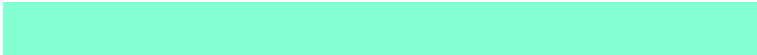
92, 46.344, 346.401



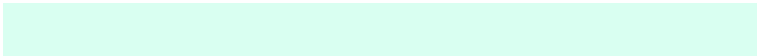
92, 46.344, 36.401

Sweetspot

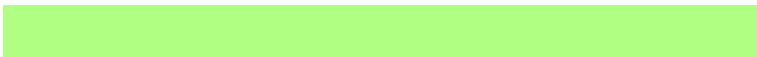
The Sweet Spot groups the original color and five complimentary colors.



92, 46.345, 166.400



97, 15.074, 170.388



93, 68.374, 131.237



51, 10.269, 170.171



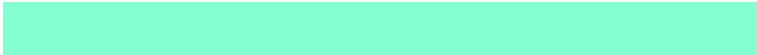
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 46.345, 166.400



91, 53.786, 165.026



89, 32.025, 213.301



52, 5.730, 170.943



69, 61.544, 157.161



23, 26.836, 160.309

Inverse Universe

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



70, 51.847, 357.992



65, 61.128, 359.959



72, 46.861, 34.283



50, 5.859, 352.598



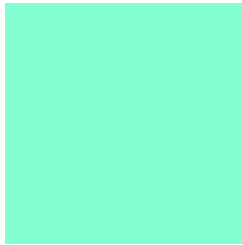
40, 68.945, 15.404



10, 31.291, 7.953

Previews

White Background



This preview shows how the CIE LCh color 92, 46.344, 166.401 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 CIE LCh color 92, 46.344, 166.401 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, 46.344, 166.401

Background



This preview shows how black text looks on a background with the CIELCh color 92, 46.344, 166.401.

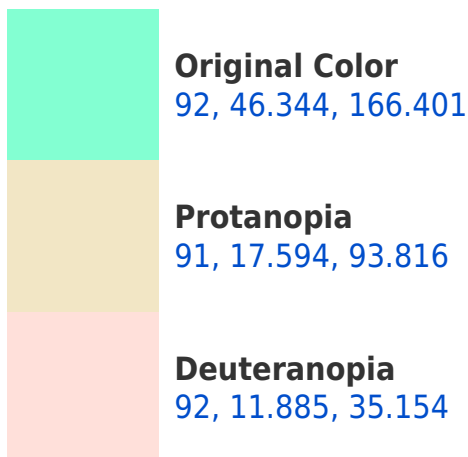


This preview shows how white text looks on a background with the CIELCh color 92, 46.344, 166.401.

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





Tritanopia
92, 20.255, 219.400

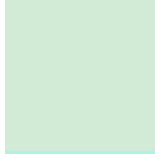
Trichromacy



Original Color
92, 46.344, 166.401



Protanomaly
91, 23.651, 144.158



Deuteranomaly
91, 13.770, 149.851

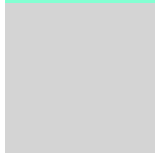


Tritanomaly
92, 27.005, 189.913

Monochromacy



Original Color
92, 46.344, 166.401



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 17.971, 170.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 46.344, 166.401 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(131, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 210)  
}
```

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(131, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 46.344, 166.401 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(131, 255, 210) }
```

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

```
.border{ border-color:rgb(131, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 46.344, 166.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 210) }
```

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

```
.background{ background-color: rgb(131,  
255, 210) }
```

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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