

Converting Colors

CIELCh(92, 48.468, 163.100)

Have a look what the booklet for
CIELCh(92, 48.468, 163.100)
contains.

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Color

CIELCh(92, 48.654, 162.931)

Conversions

Conversions Part 1

Format	Color
Hex	83FFCB
RGB	131, 255, 203
RGB Percent	51%, 100%, 80%
CMY	0.4860, 0.0000, 0.2037
CMYK	0.49, 0.00, 0.20, 0.00
HSL	155°, 100%, 76%
HSV	155°, 49%, 100%
XYZ	55.9358, 80.7044, 69.1661
YIQ	211.9960, -57.2120, -42.4600

Conversions

Conversions Part 2

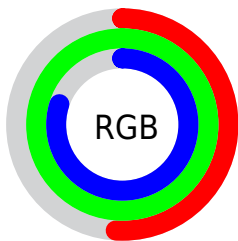
Format	Color
RYB	131, 209, 255
Decimal	8650699
CIELab	92.00, -46.51, 14.28
CIElCh	92, 48.654, 162.931
Yxy	80.7044, 0.2718, 0.3921
Android (android.graphics.Color)	4286840779 (0xFF83FFCB)
YUV	211.9960, -4.4350, -71.0335
Hunter-Lab	89.8356, -46.0700, 17.2365

Details

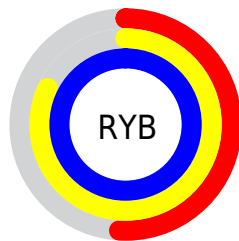
The CIELCh color **92, 48.654, 162.931** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 52.933, 354.095**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **72, 48.804, 162.824** is the 20% darker color. If you saturate the color by 10%, you get **91, 57.119, 161.450**, and if you desaturate by 10%, it is **93, 39.382, 164.283**.

Distribution



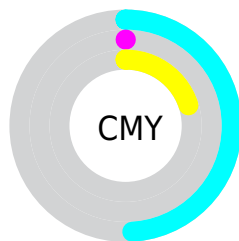
- Red (51%)
- Green (100%)
- Blue (80%)



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



- Cyan (49%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 48.654, 162.931 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, 48.654, 162.931 by changing the saturation by 10% instead.


 92, 48.654,
162.931


 92, 48.654,
162.931


 100, 48.654,
162.931


 82, 48.654,
162.931

 72, 48.654,
162.931

 62, 48.654,
162.931

 52, 48.654,
162.931

 42, 48.654,
162.931

 32, 48.654,
162.931

 22, 48.654,

162.931

■ 12, 48.654,
162.931

■ 2, 48.654, 162.931

■ 92, 48.654,
162.931

■ 92, 48.654,
162.931

■ 91, 57.119,
161.450

■ 93, 39.382,
164.283

■ 90, 64.729,
159.755

■ 95, 29.584,
165.474

■ 90, 71.350,
157.848

■ 96, 19.403,
166.549

■ 89, 76.965,
155.724

■ 98, 9.005, 167.547

100, 0.012,

■ 89, 81.691,
153.423

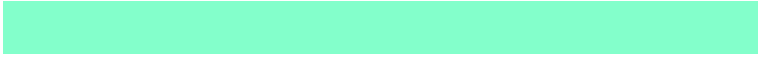
296.813

■ 89, 82.320,
153.105

Harmonies

Complementary

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



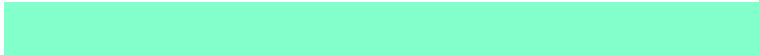
92, 48.654, 162.931



70, 52.933, 354.095

Rectangle

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



92, 48.654, 162.931



92, 48.654, 212.931



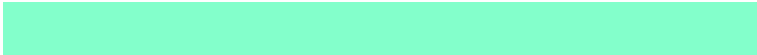
92, 48.654, 342.931



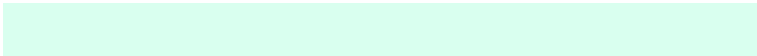
92, 48.654, 32.931

Sweetspot

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



92, 48.620, 162.950



97, 15.675, 166.914



93, 67.013, 129.094



51, 10.683, 166.702



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, 48.620, 162.950



91, 56.631, 161.545



91, 33.817, 204.705



52, 5.951, 167.458



68, 65.757, 153.541



23, 28.516, 156.758

Inverse Universe

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



70, 52.933, 354.095



65, 62.215, 355.905



70, 49.163, 29.322



50, 6.058, 349.065



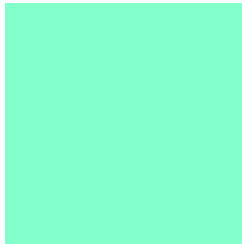
41, 68.133, 9.951



10, 31.349, 3.173

Previews

White Background



This preview shows how the CIE LCh color 92, 48.654, 162.931 looks on a white background.

Color Contrast Check

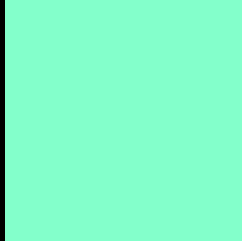
Large Text (above 18pt) WCAG AA × Fail

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, 48.654, 162.931 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, 48.654, 162.931

Background



This preview shows how black text looks on a background with the CIELCh color 92, 48.654, 162.931.

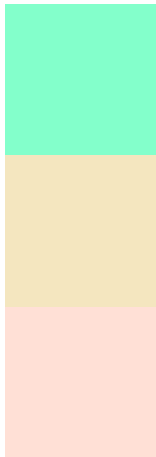


This preview shows how white text looks on a background with the CIELCh color 92, 48.654, 162.931.

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, 48.654, 162.931

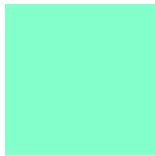
Protanopia
91, 20.783, 93.600

Deuteranopia
91, 12.662, 44.029



Tritanopia
92, 20.255, 219.400

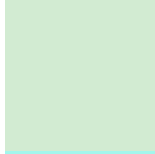
Trichromacy



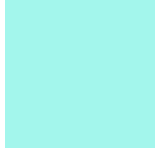
Original Color
92, 48.654, 162.931



Protanomaly
91, 26.317, 138.431



Deuteranomaly
91, 15.849, 143.824

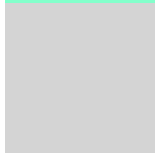


Tritanomaly
92, 27.458, 186.705

Monochromacy



Original Color
92, 48.654, 162.931



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 18.832, 166.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 48.654, 162.931 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 48.654, 162.931 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, 203) }
```

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

```
.border{ border-color:rgb(131, 255, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 255, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 255, 203); box-shadow:4px 4px 4px 4px rgb(131, 255, 203) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 48.654, 162.931 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, 203) }
```

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

```
.background{ background-color: rgb(131,  
255, 203) }
```

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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