

Converting Colors

CIELCh(100, 60.949, 160.423)

Have a look what the booklet for
CIELCh(100, 60.949, 160.423)
contains.

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Color

CIELCh(92, 46.645, 168.722)

Conversions

Conversions Part 1

Format	Color
Hex	7DFFD5
RGB	125, 255, 213
RGB Percent	49%, 100%, 84%
CMY	0.5097, 0.0000, 0.1646
CMYK	0.51, 0.00, 0.16, 0.00
HSL	161°, 100%, 75%
HSV	161°, 51%, 100%
XYZ	56.2434, 80.7044, 75.5809
YIQ	211.3420, -63.9980, -40.6220

Conversions

Conversions Part 2

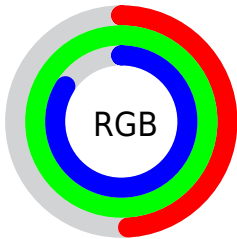
Format	Color
R _Y B	125, 203, 255
Decimal	8257493
CIE Lab	92.00, -45.74, 9.12
CIE LCh	92, 46.645, 168.722
Yxy	80.7044, 0.2646, 0.3797
Android (android.graphics.Color)	4286447573 (0xFF7DFFD5)
YUV	211.3420, 0.8174, -75.7219
Hunter-Lab	89.8356, -45.4588, 13.0028

Details

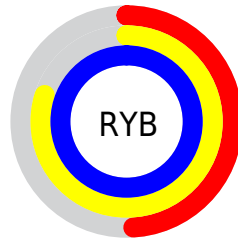
The CIELCh color **92, 46.645, 168.722** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **69, 53.615, 1.313**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **72, 46.996, 168.313** is the 20% darker color. If you saturate the color by 10%, you get **91, 53.939, 167.242**, and if you desaturate by 10%, it is **93, 38.497, 170.070**.

Distribution



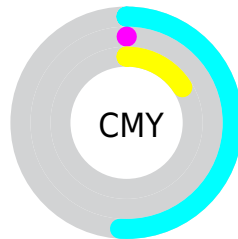
- Red (49%)
- Green (100%)
- Blue (84%)



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



- Cyan (51%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 46.645, 168.722 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, 46.645, 168.722 by changing the saturation by 10% instead.


 92, 46.645,
168.722


 92, 46.645,
168.722

 100, 46.645,
168.722


 82, 46.645,
168.722

 72, 46.645,
168.722

 62, 46.645,
168.722

 52, 46.645,
168.722

 42, 46.645,
168.722

 32, 46.645,
168.722

 22, 46.645,

168.722

■ 12, 46.645,
168.722

■ 2, 46.645, 168.722

■ 92, 46.645,
168.722

■ 92, 46.645,
168.722

■ 91, 53.939,
167.242

■ 93, 38.497,
170.070

■ 90, 60.299,
165.570

■ 94, 29.698,
171.279

■ 90, 65.648,
163.698

■ 96, 20.401,
172.384

■ 89, 70.011,
161.616

■ 98, 10.770,
173.418

■ 89, 73.275,
159.604

100, 0.950,
174.894

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.



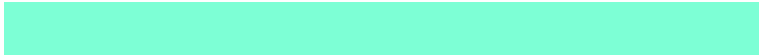
92, 46.645, 168.722



69, 53.615, 1.313

Rectangle

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



92, 46.645, 168.722



92, 46.645, 218.722



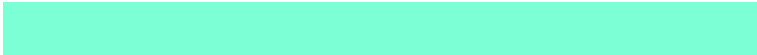
92, 46.645, 348.722



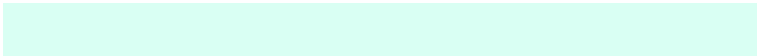
92, 46.645, 38.722

Sweetspot

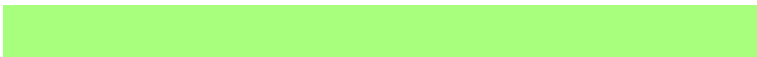
The Sweet Spot groups the original color and five complimentary colors.



92, 46.630, 168.733



97, 14.684, 173.007



92, 72.136, 132.140



51, 9.998, 172.789



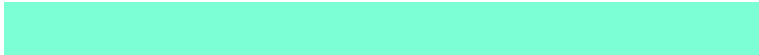
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 46.630, 168.733



91, 53.960, 167.237



87, 32.484, 218.200



52, 5.588, 173.567



69, 58.608, 160.023



23, 25.676, 163.086

Inverse Universe

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



69, 53.615, 1.313



64, 63.397, 3.694



72, 48.435, 37.163



50, 5.733, 355.240



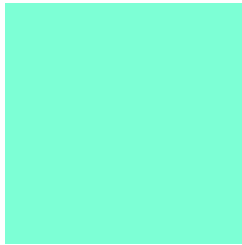
40, 69.952, 19.162



10, 31.377, 11.092

Previews

White Background



This preview shows how the CIE LCh color 92, 46.645, 168.722 looks on a white background.

Color Contrast Check

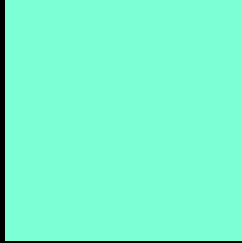
Large Text (above 18pt) WCAG AA × Fail

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, 46.645, 168.722 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, 46.645, 168.722

Background



This preview shows how black text looks on a background with the CIELCh color 92, 46.645, 168.722.

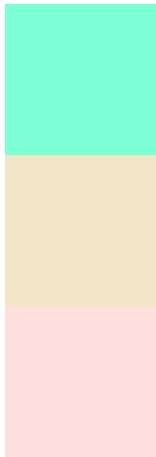


This preview shows how white text looks on a background with the CIELCh color 92, 46.645, 168.722.

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, 46.645, 168.722

Protanopia
92, 16.102, 92.592

Deuteranopia
91, 11.824, 25.166



Tritanopia
92, 20.942, 217.097

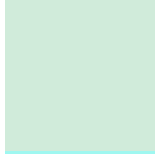
Trichromacy



Original Color
92, 46.645, 168.722



Protanomaly
91, 22.835, 147.733



Deuteranomaly
91, 13.120, 156.434

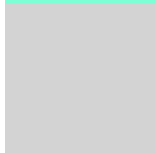


Tritanomaly
92, 28.351, 190.204

Monochromacy



Original Color
92, 46.645, 168.722



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 18.293, 172.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 46.645, 168.722 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(125, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 213)  
}
```

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(125, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 46.645, 168.722 is called "border". The border property can be set on classes, ids or directly on the HTML element.

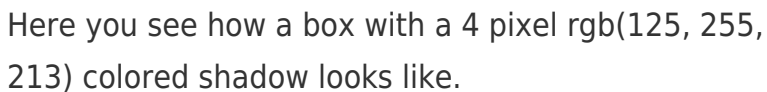
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 255, 213) }
```

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

```
.border{ border-color:rgb(125, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 255, 213); box-shadow:4px 4px 4px 4px rgb(125, 255, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 46.645, 168.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 213) }
```

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

```
.background{ background-color: rgb(125,  
255, 213) }
```

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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