

Converting Colors

CIELCh(100, 57.414, 174.811)

Have a look what the booklet for
CIELCh(100, 57.414, 174.811)
contains.

CIELCh(92, 45.595, 188.692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(92, 45.595, 188.692)

Conversions

Conversions Part 1

Format	Color
Hex	5AFF4
RGB	90, 255, 244
RGB Percent	35%, 100%, 96%
CMY	0.6471, 0.0000, 0.0441
CMYK	0.65, 0.00, 0.04, 0.00
HSL	176°, 100%, 68%
HSV	176°, 65%, 100%
XYZ	56.5144, 80.7044, 97.9939
YIQ	204.4110, -94.8090, -38.4010

Conversions

Conversions Part 2

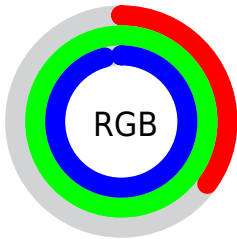
Format	Color
RYB	90, 175, 255
Decimal	5963764
CIELab	92.00, -45.07, -6.89
CIELCh	92, 45.595, 188.692
Yxy	80.7044, 0.2403, 0.3431
Android (android.graphics.Color)	4284153844 (0xFF5AFF4)
YUV	204.4110, 19.5174, -100.3384
Hunter-Lab	89.8356, -44.9205, -1.7894

Details

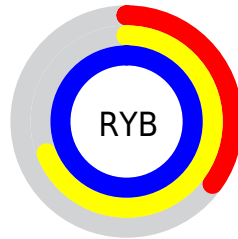
The CIELCh color **92, 45.595, 188.692** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **61, 69.354, 24.316**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 30.155, 197.561**, and **72, 43.217, 188.901** is the 20% darker color. If you saturate the color by 10%, you get **91, 48.864, 188.415**, and if you desaturate by 10%, it is **92, 40.650, 189.892**.

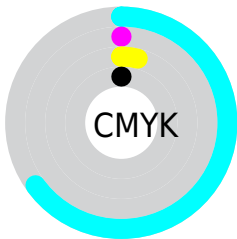
Distribution



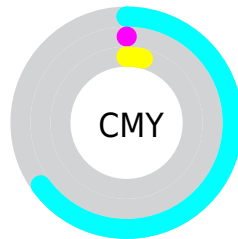
- Red (35%)
- Green (100%)
- Blue (96%)



- Red (35%)
- Yellow (69%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 45.595, 188.692 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, 45.595, 188.692 by changing the saturation by 10% instead.


 92, 45.595,
188.692


 92, 45.595,
188.692


 100, 45.595,
188.692


 82, 45.595,
188.692

 72, 45.595,
188.692

 62, 45.595,
188.692

 52, 45.595,
188.692

 42, 45.595,
188.692

 32, 45.595,
188.692

 22, 45.595,

188.692

■ 12, 45.595,
188.692

■ 2, 45.595, 188.692

■ 92, 45.595,
188.692

■ 92, 45.595,
188.692

■ 91, 48.864,
188.415

■ 92, 40.650,
189.892

■ 91, 51.323,
187.622

■ 93, 34.945,
190.604

■ 91, 52.779,
186.772

■ 95, 28.302,
191.312

■ 91, 53.266,
186.303

■ 96, 20.860,
192.026

■ 97, 12.769,
192.755

■ 99, 4.177, 193.574

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, 45.595, 188.692



61, 69.354, 24.316

Rectangle

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



92, 45.595, 188.692



92, 45.595, 238.692



92, 45.595, 8.692



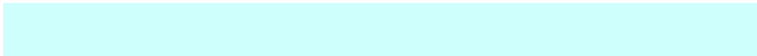
92, 45.595, 58.692

Sweetspot

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



92, 45.309, 189.167



97, 16.310, 192.439



89, 95.287, 137.253



51, 11.135, 192.231



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, 45.309, 189.167



91, 49.792, 188.160



73, 43.009, 259.618



52, 4.995, 193.153



70, 42.850, 186.465



24, 19.551, 187.595

Inverse Universe

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



61, 69.354, 24.316



57, 83.700, 29.223



74, 58.354, 59.263



50, 5.266, 14.438



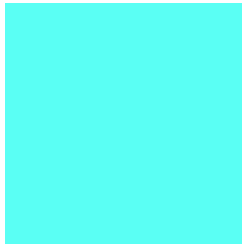
40, 81.406, 37.416



10, 32.828, 24.430

Previews

White Background



This preview shows how the CIE LCh color 92, 45.595, 188.692 looks on a white background.

Color Contrast Check

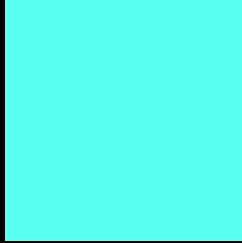
Large Text (above 18pt) WCAG AA × Fail

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, 45.595, 188.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

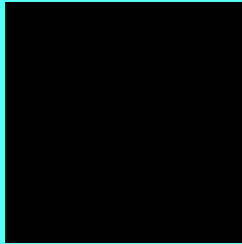
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 92, 45.595, 188.692

Background



This preview shows how black text looks on a background with the CIELCh color 92, 45.595, 188.692.

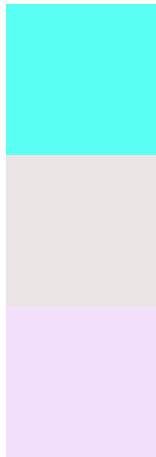


This preview shows how white text looks on a background with the CIELCh color 92, 45.595, 188.692.

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, 45.265, 189.323

Protanopia

91, 2.150, 19.272

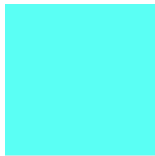
Deuteranopia

91, 16.032, 315.509



Tritanopia
91, 23.345, 214.960

Trichromacy



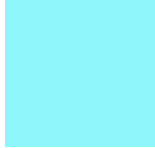
Original Color
92, 45.265, 189.323



Protanomaly
90, 18.876, 191.826



Deuteranomaly
90, 16.872, 222.225

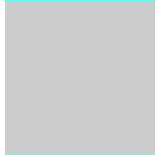


Tritanomaly
91, 31.831, 201.208

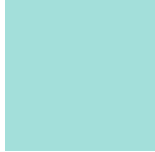
Monochromacy



Original Color
92, 45.265, 189.323



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 20.353, 190.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 45.595, 188.692 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(90, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(90, 255, 244)  
}
```

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(90, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 45.595, 188.692 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(90, 255, 244) }
```

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

```
.border{ border-color:rgb(90, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 45.595, 188.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 255, 244) }
```

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

```
.background{ background-color: rgb(90, 255,  
244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor