

Converting Colors

CIELCh(92, 46.178, 194.631)

Have a look what the booklet for
CIELCh(92, 46.178, 194.631)
contains.

CIELCh(92, 45.854, 195.312)	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, 45.854, 195.312)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFFE
RGB	76, 255, 254
RGB Percent	30%, 100%, 100%
CMY	0.7013, 0.0000, 0.0048
CMYK	0.70, 0.00, 0.00, 0.00
HSL	180°, 100%, 65%
HSV	180°, 70%, 100%
XYZ	56.8558, 80.7044, 106.1554
YIQ	201.3650, -106.3630, -38.2590

Conversions

Conversions Part 2

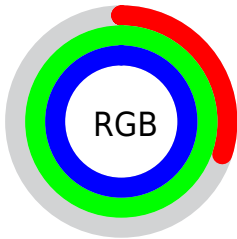
Format	Color
RYB	76, 166, 255
Decimal	5046270
CIELab	92.00, -44.23, -12.11
CIELCh	92, 45.854, 195.312
Yxy	80.7044, 0.2333, 0.3311
Android (android.graphics.Color)	4283236350 (0xFF4CFFFE)
YUV	201.3650, 25.9491, -109.9451
Hunter-Lab	89.8356, -44.2420, -7.1758

Details

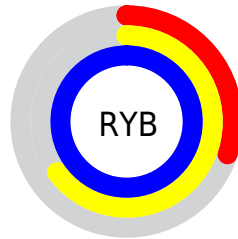
The CIELCh color **92, 45.854, 195.312** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 77.744, 30.326**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.132, 197.441**, and **73, 41.575, 195.611** is the 20% darker color. If you saturate the color by 10%, you get **91, 48.179, 195.616**, and if you desaturate by 10%, it is **92, 41.923, 196.103**.

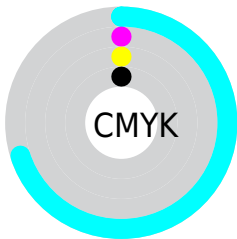
Distribution



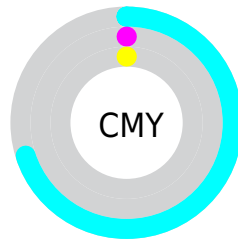
- Red (30%)
- Green (100%)
- Blue (100%)



- Red (30%)
- Yellow (65%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 45.854, 195.312 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, 45.854, 195.312 by changing the saturation by 10% instead.


 92, 45.854,
195.312


 92, 45.854,
195.312


 100, 45.854,
195.312


 82, 45.854,
195.312

 72, 45.854,
195.312

 62, 45.854,
195.312

 52, 45.854,
195.312

 42, 45.854,
195.312

 32, 45.854,
195.312

 22, 45.854,

195.312

■ 12, 45.854,
195.312

■ 2, 45.854, 195.312

■ 92, 45.854,
195.312

■ 92, 45.854,
195.312

■ 91, 48.179,
195.616

■ 92, 41.923,
196.103

■ 91, 49.696,
195.449

■ 93, 37.130,
196.432

■ 91, 50.369,
195.319

■ 94, 31.298,
196.820

■ 95, 24.540,
197.265

97, 16.993,
197.766

98, 8.803, 198.334

100, 0.116,
204.551

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, 45.854, 195.312



59, 77.744, 30.326

Rectangle

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



92, 45.854, 195.312



92, 45.854, 245.312



92, 45.854, 15.312



92, 45.854, 65.312

Sweetspot

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



92, 45.609, 195.832



96, 17.676, 197.720



89, 102.635, 137.786



51, 11.853, 197.578



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, 45.609, 195.832



91, 48.884, 195.546



67, 50.785, 270.019



52, 4.948, 198.373



70, 40.566, 195.337



24, 18.651, 195.463

Inverse Universe

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



59, 77.744, 30.326



55, 92.991, 35.359



75, 63.554, 64.796



49, 5.253, 19.389



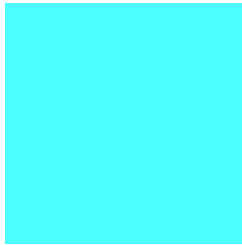
40, 83.912, 39.727



10, 33.310, 26.904

Previews

White Background



This preview shows how the CIE LCh color 92, 45.854, 195.312 looks on a white background.

Color Contrast Check

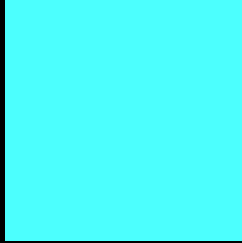
Large Text (above 18pt) WCAG AA × Fail

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, 45.854, 195.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

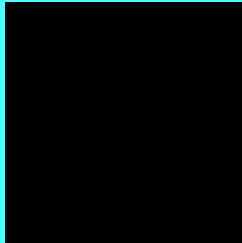
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

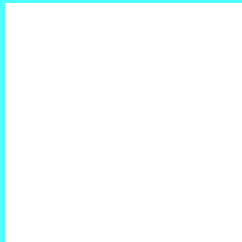
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 45.854, 195.312

Background



This preview shows how black text looks on a background with the CIELCh color 92, 45.854, 195.312.

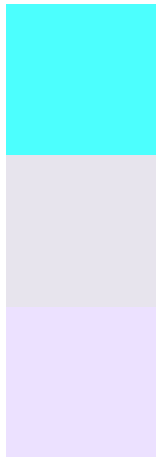


This preview shows how white text looks on a background with the CIELCh color 92, 45.854, 195.312.

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, 45.599, 195.983

Protanopia
91, 4.806, 303.241

Deuteranopia
91, 16.081, 304.918



Tritanopia
91, 24.318, 212.912

Trichromacy



Original Color
92, 45.599, 195.983



Protanomaly
90, 20.518, 205.447



Deuteranomaly
90, 20.576, 227.237

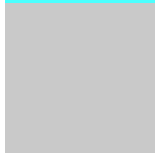


Tritanomaly
91, 33.246, 204.624

Monochromacy



Original Color
92, 45.599, 195.983



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 21.450, 196.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 45.854, 195.312 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(76, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 254)  
}
```

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(76, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 45.854, 195.312 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(76, 255, 254) }
```

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

```
.border{ border-color:rgb(76, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 45.854, 195.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 254) }
```

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

```
.background{ background-color: rgb(76, 255,  
254) }
```

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