

Converting Colors

CIELCh(100, 52.723, 243.553)

Have a look what the booklet for
CIELCh(100, 52.723, 243.553)
contains.

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Color

CIElCh(92, 43.463, 196.770)

Conversions

Conversions Part 1

Format	Color
Hex	5BFFFF
RGB	91, 255, 255
RGB Percent	36%, 100%, 100%
CMY	0.6448, 0.0013, 0.0013
CMYK	0.64, 0.00, 0.00, 0.00
HSL	180°, 100%, 68%
HSV	180°, 64%, 100%
XYZ	57.9198, 80.7044, 106.8498
YIQ	205.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

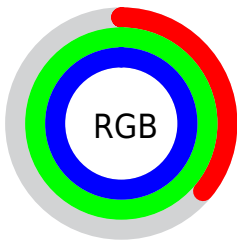
Format	Color
R_{YB}	91, 173, 255
Decimal	6029311
CIE _{Lab}	92.00, -41.61, -12.54
CIE _{LCh}	92, 43.463, 196.770
Yxy	80.7044, 0.2360, 0.3288
Android (android.graphics.Color)	4284219391 (0xFF5BFFFF)
YUV	205.9640, 24.1747, -100.8234
Hunter-Lab	89.8356, -42.1280, -7.6341

Details

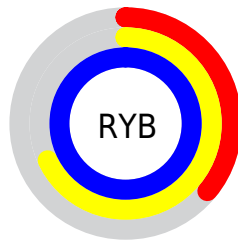
The CIELCh color **92, 43.463, 196.770** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **61, 71.109, 28.950**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.647, 197.591**, and **73, 41.423, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **92, 46.628, 196.585**, and if you desaturate by 10%, it is **93, 39.179, 197.020**.

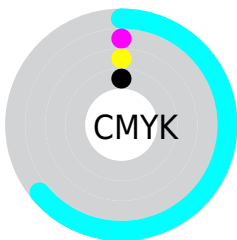
Distribution



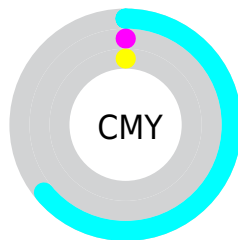
- Red (36%)
- Green (100%)
- Blue (100%)



- Red (36%)
- Yellow (68%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 43.463, 196.770 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, 43.463, 196.770 by changing the saturation by 10% instead.


 92, 43.463,
196.770


 92, 43.463,
196.770


 100, 43.463,
196.770


 82, 43.463,
196.770

 72, 43.463,
196.770

 62, 43.463,
196.770

 52, 43.463,
196.770

 42, 43.463,
196.770

 32, 43.463,
196.770

 22, 43.463,

196.770

■ 12, 43.463,
196.770

■ 2, 43.463, 196.770

■ 92, 43.463,
196.770

■ 92, 43.463,
196.770

■ 92, 46.628,
196.585

■ 93, 39.179,
197.020

■ 91, 48.697,
196.466

■ 94, 33.819,
197.339

■ 91, 49.771,
196.405

■ 95, 27.477,
197.723

■ 91, 50.065,
196.388

■ 96, 20.281,
198.169

■ 97, 12.373,
198.679

■ 99, 3.900, 199.328

100, 0.118, 13.852

100, 0.118, 13.913

100, 0.118, 13.975

Harmonies

Complementary

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



92, 43.463, 196.770



61, 71.109, 28.950

Rectangle

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



92, 43.463, 196.770



92, 43.463, 246.770



92, 43.463, 16.770



92, 43.463, 66.770

Sweetspot

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



92, 43.463, 196.769



97, 16.080, 198.438



89, 96.664, 138.642



51, 10.963, 198.294



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, 43.463, 196.769



92, 47.309, 196.548



69, 48.056, 269.748



52, 4.945, 198.964



70, 40.364, 196.388



24, 18.570, 196.388

Inverse Universe

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



66, 95.301, 327.622



63, 106.679, 327.967



77, 57.930, 67.157



50, 9.057, 324.947



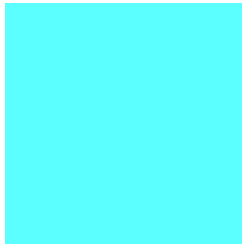
45, 93.082, 328.233



12, 42.822, 328.233

Previews

White Background



This preview shows how the CIE LCh color 92, 43.463, 196.770 looks on a white background.

Color Contrast Check

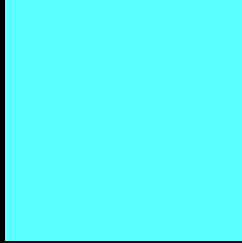
Large Text (above 18pt) WCAG AA × Fail

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, 43.463, 196.770 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, 43.463, 196.770

Background



This preview shows how black text looks on a background with the CIELCh color 92, 43.463, 196.770.

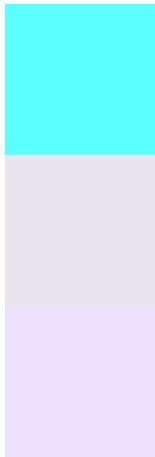


This preview shows how white text looks on a background with the CIELCh color 92, 43.463, 196.770.

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, 43.463, 196.770

Protanopia
91, 5.309, 302.033

Deuteranopia
91, 15.484, 304.111



Tritanopia
92, 22.997, 213.863

Trichromacy



Original Color
92, 43.463, 196.770



Protanomaly
91, 18.822, 209.462



Deuteranomaly
90, 19.318, 229.373

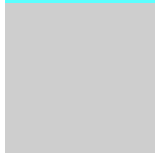


Tritanomaly
91, 31.439, 205.146

Monochromacy



Original Color
92, 43.463, 196.770



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 19.879, 198.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 43.463, 196.770 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(91, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 255)  
}
```

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(91, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 43.463, 196.770 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(91, 255, 255) }
```

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

```
.border{ border-color:rgb(91, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 43.463, 196.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 255, 255) }
```

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

```
.background{ background-color: rgb(91, 255,  
255) }
```

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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