

# Converting Colors

CIELCh(92, 42.144, 196.847)

Have a look what the booklet for  
CIELCh(92, 42.144, 196.847)  
contains.

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# Color

**CIELCh(92, 42.201, 196.836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62FEFE
RGB	98, 254, 254
RGB Percent	38%, 100%, 100%
CMY	0.6152, 0.0036, 0.0036
CMYK	0.61, 0.00, 0.00, 0.00
HSL	180°, 99%, 69%
HSV	180°, 61%, 100%
XYZ	58.4223, 80.7044, 106.3384
YIQ	207.3560, -92.9760, -33.0720

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	98, 176, 254
Decimal	6487806
CIE <sub>Lab</sub>	92.00, -40.39, -12.22
CIE <sub>LCh</sub>	92, 42.201, 196.836
Y <sub>xy</sub>	80.7044, 0.2380, 0.3288
Android (android.graphics.Color)	4284677886 (0xFF62FEFE)
Y <sub>UV</sub>	207.3560, 22.9955, -95.9052
Hunter-Lab	89.8356, -41.1295, -7.2966

# Details

The CIELCh color **92, 42.201, 196.836** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **62, 67.271, 28.056**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **72, 41.267, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **91, 45.702, 196.630**, and if you desaturate by 10%, it is **93, 37.589, 197.107**.

# Distribution



- Red (38%)
- Green (100%)
- Blue (100%)



- Red (38%)
- Yellow (69%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 42.201, 196.836 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, 42.201, 196.836 by changing the saturation by 10% instead.




 92, 42.201,  
196.836


 92, 42.201,  
196.836


 100, 42.201,  
196.836


 82, 42.201,  
196.836

 72, 42.201,  
196.836

 62, 42.201,  
196.836

 52, 42.201,  
196.836

 42, 42.201,  
196.836

 32, 42.201,  
196.836

 22, 42.201,

196.836

■ 12, 42.201,  
196.836

■ 2, 42.201, 196.836

■ 92, 42.201,  
196.836

■ 92, 42.201,  
196.836

■ 91, 45.702,  
196.630

■ 93, 37.589,  
197.107

■ 91, 48.095,  
196.492

■ 94, 31.928,  
197.446

■ 91, 49.455,  
196.413

■ 95, 25.323,  
197.850

■ 91, 49.981,  
196.383

■ 96, 17.907,  
198.315

- 98, 9.826, 198.849
- 99, 1.224, 199.865
- 100, 0.318, 17.308
- 100, 0.318, 17.260
- 100, 0.318, 17.211

# Harmonies

# Complementary

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



92, 42.201, 196.836



62, 67.271, 28.056

# Rectangle

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



92, 42.201, 196.836



92, 42.201, 246.836



92, 42.201, 16.836



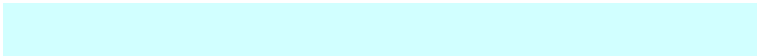
92, 42.201, 66.836

# Sweetspot

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



92, 42.201, 196.834



97, 15.282, 198.487



89, 92.531, 138.723



51, 10.520, 198.338



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, 42.201, 196.834



92, 46.562, 196.588



71, 44.752, 266.780



52, 4.945, 198.961



70, 40.366, 196.383



24, 18.570, 196.383



# Inverse Universe

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



62, 67.271, 28.056



58, 82.558, 32.100



77, 54.718, 65.981



49, 5.254, 19.942



40, 84.229, 39.999

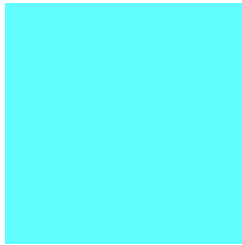


10, 33.367, 27.175



# Previews

## White Background



This preview shows how the CIE LCh color 92, 42.201, 196.836 looks on a white background.

## Color Contrast Check

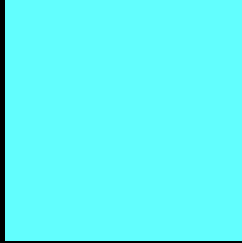
Large Text (above 18pt) WCAG AA × Fail

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, 42.201, 196.836 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, 42.201, 196.836

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 42.201, 196.836.

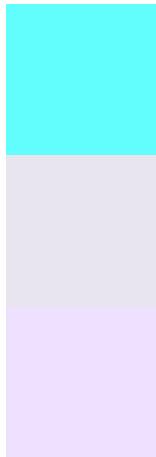


This preview shows how white text looks on a background with the CIELCh color 92, 42.201, 196.836.

# 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, 42.201, 196.836


### Protanopia

91, 5.309, 302.033

### Deuteranopia

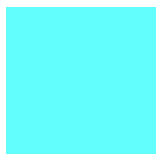
91, 16.166, 306.105



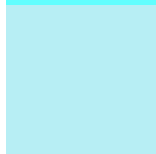


**Tritanopia**  
92, 22.730, 214.068

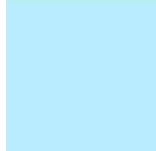
# Trichromacy



**Original Color**  
92, 42.201, 196.836



**Protanomaly**  
91, 18.195, 208.205

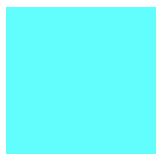


**Deuteranomaly**  
91, 18.565, 230.810

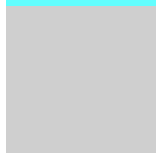


**Tritanomaly**  
92, 30.499, 205.436

# Monochromacy



**Original Color**  
92, 42.201, 196.836



**Achromatopsia**  
83, 0.010, 296.813



**Achromatomaly**  
85, 18.977, 198.129

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 42.201, 196.836 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(98, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(98, 254, 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(98, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 254, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 42.201, 196.836 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(98, 254, 254) }
```

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

```
.border{ border-color:rgb(98, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(98, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 42.201, 196.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 254, 254) }
```

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

```
.background{ background-color: rgb(98, 254,  
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](#).

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