

# Converting Colors

CIELCh(92, 41.404, 196.868)

Have a look what the booklet for  
CIELCh(92, 41.404, 196.868)  
contains.

<b>CIELCh(92, 41.381, 196.884)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(92, 41.381, 196.884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67FEFE
RGB	103, 254, 254
RGB Percent	40%, 100%, 100%
CMY	0.5974, 0.0050, 0.0050
CMYK	0.60, 0.00, 0.00, 0.01
HSL	180°, 98%, 70%
HSV	180°, 60%, 99%
XYZ	58.7506, 80.7044, 106.0103
YIQ	208.8510, -89.9960, -32.0120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 179, 254
Decimal	6815486
CIELab	92.00, -39.60, -12.02
CIELCh	92, 41.381, 196.884
Yxy	80.7044, 0.2393, 0.3288
Android (android.graphics.Color)	4285005566 (0xFF67FEFE)
YUV	208.8510, 22.2585, -92.8313
Hunter-Lab	89.8356, -40.4771, -7.0800

# Details

The CIELCh color **92, 41.381, 196.884** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 64.930, 27.545**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **72, 41.267, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **91, 45.086, 196.666**, and if you desaturate by 10%, it is **93, 36.574, 197.167**.

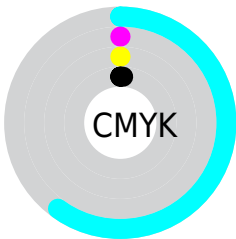
# Distribution



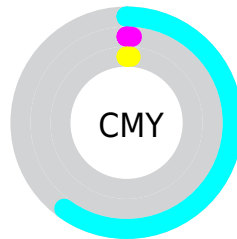
- Red (40%)
- Green (100%)
- Blue (100%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (60%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 41.381, 196.884 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, 41.381, 196.884 by changing the saturation by 10% instead.





 92, 41.381,  
196.884


 92, 41.381,  
196.884


 100, 41.381,  
196.884


 82, 41.381,  
196.884

 72, 41.381,  
196.884

 62, 41.381,  
196.884

 52, 41.381,  
196.884

 42, 41.381,  
196.884

 32, 41.381,  
196.884

 22, 41.381,

196.884

■ 12, 41.381,  
196.884

■ 2, 41.381, 196.884

■ 92, 41.381,  
196.884

■ 92, 41.381,  
196.884

■ 91, 45.086,  
196.666

■ 93, 36.574,  
197.167

■ 91, 47.678,  
196.516

■ 94, 30.736,  
197.518

■ 91, 49.218,  
196.427

■ 95, 23.978,  
197.933

■ 91, 49.900,  
196.388

■ 96, 16.437,  
198.410

91, 49.924,  
196.387

98, 8.259, 198.961  
100, 0.415, 17.841  
100, 0.449, 17.968  
100, 0.449, 17.971  
100, 0.449, 17.974

# Harmonies

# Complementary

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



92, 41.381, 196.884



63, 64.930, 27.545

# Rectangle

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



92, 41.381, 196.884



92, 41.381, 246.884



92, 41.381, 16.884



92, 41.381, 66.884

# Sweetspot

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



92, 41.381, 196.882



97, 15.282, 198.489



89, 90.491, 139.207



51, 10.520, 198.340



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

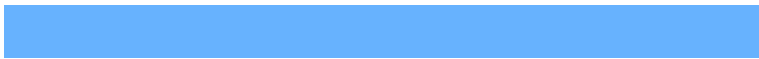
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 41.381, 196.882



92, 45.715, 196.639



71, 44.456, 268.037



52, 4.945, 198.963



70, 40.365, 196.387



24, 18.570, 196.387



# Inverse Universe

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



68, 89.516, 327.449



64, 101.849, 327.820



78, 52.936, 67.829



50, 9.057, 324.947



45, 93.083, 328.233

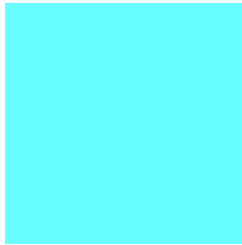


12, 42.822, 328.233



# Previews

## White Background



This preview shows how the CIE LCh color 92, 41.381, 196.884 looks on a white background.

## Color Contrast Check

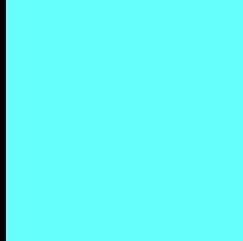
Large Text (above 18pt) WCAG AA × Fail

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, 41.381, 196.884 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

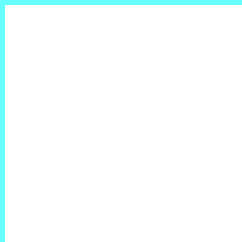
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 92, 41.381, 196.884

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 41.381, 196.884.

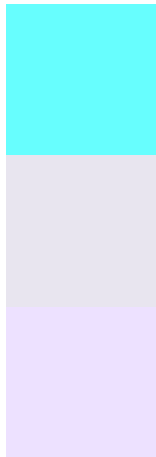


This preview shows how white text looks on a background with the CIELCh color 92, 41.381, 196.884.

# 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, 41.381, 196.884

### Protanopia

91, 5.309, 302.033

### Deuteranopia

91, 16.166, 306.105





**Tritanopia**  
92, 22.462, 214.279

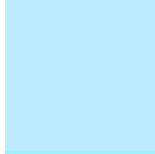
# Trichromacy



**Original Color**  
92, 41.381, 196.884



**Protanomaly**  
91, 17.601, 208.578

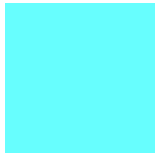


**Deuteranomaly**  
90, 18.072, 233.878

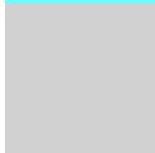


**Tritanomaly**  
92, 30.021, 205.590

# Monochromacy



**Original Color**  
92, 41.381, 196.884



**Achromatopsia**  
84, 0.010, 296.813



**Achromatomaly**  
86, 18.361, 198.176

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 41.381, 196.884 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(103, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 254, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 41.381, 196.884 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(103, 254, 254) }
```

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

```
.border{ border-color:rgb(103, 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(103, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(103, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 41.381, 196.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 254, 254) }
```

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

```
.background{ background-color: rgb(103,  
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](#).

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