

Converting Colors

CIELCh(92, 40.769, 196.923)

Have a look what the booklet for
CIELCh(92, 40.769, 196.923)
contains.

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Color

CIELCh(92, 40.668, 196.919)

Conversions

Conversions Part 1

Format	Color
Hex	6AFDFD
RGB	106, 253, 253
RGB Percent	42%, 99%, 99%
CMY	0.5825, 0.0063, 0.0063
CMYK	0.58, 0.00, 0.00, 0.01
HSL	180°, 98%, 71%
HSV	180°, 58%, 99%
XYZ	59.0364, 80.7044, 105.7164
YIQ	209.0470, -87.6120, -31.1640

Conversions

Conversions Part 2

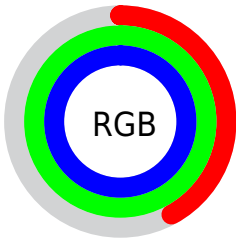
Format	Color
RYB	106, 180, 253
Decimal	7011837
CIELab	92.00, -38.91, -11.84
CIELCh	92, 40.668, 196.919
Yxy	80.7044, 0.2405, 0.3288
Android (android.graphics.Color)	4285201917 (0xFF6AFDFD)
YUV	209.0470, 21.6688, -90.3722
Hunter-Lab	89.8356, -39.9093, -6.8861

Details

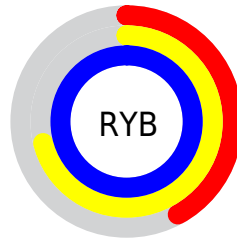
The CIELCh color **92, 40.668, 196.919** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 62.973, 27.130**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **72, 40.784, 196.409** is the 20% darker color. If you saturate the color by 10%, you get **91, 44.542, 196.690**, and if you desaturate by 10%, it is **93, 35.701, 197.213**.

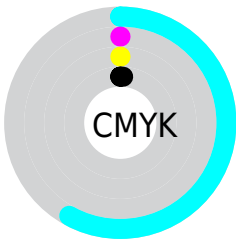
Distribution



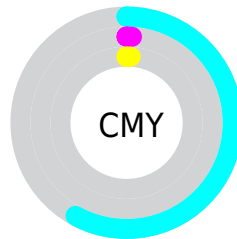
- Red (42%)
- Green (99%)
- Blue (99%)



- Red (42%)
- Yellow (71%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)





- Cyan (58%)
- Magenta (1%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 40.668, 196.919 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, 40.668, 196.919 by changing the saturation by 10% instead.


 92, 40.668,
196.919


 92, 40.668,
196.919


 100, 40.668,
196.919


 82, 40.668,
196.919

 72, 40.668,
196.919

 62, 40.668,
196.919

 52, 40.668,
196.919

 42, 40.668,
196.919

 32, 40.668,
196.919

 22, 40.668,

196.919

■ 12, 40.668,
196.919

■ 2, 40.668, 196.919

■ 92, 40.668,
196.919

■ 92, 40.668,
196.919

■ 91, 44.542,
196.690

■ 93, 35.701,
197.213

■ 91, 47.302,
196.529

■ 94, 29.718,
197.574

■ 91, 48.997,
196.431

■ 95, 22.836,
197.999

■ 91, 49.774,
196.386

■ 96, 15.195,
198.486

91, 49.877,
196.380

- 98, 6.939, 199.056
- 100, 0.564, 18.261
- 100, 0.564, 18.208
- 100, 0.564, 18.154
- 100, 0.564, 18.101

Harmonies

Complementary

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



92, 40.668, 196.919



64, 62.973, 27.130

Rectangle

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



92, 40.668, 196.919



92, 40.668, 246.919



92, 40.668, 16.919



92, 40.668, 66.919

Sweetspot

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



92, 40.668, 196.917



97, 14.478, 198.537



89, 88.086, 139.099



51, 9.623, 198.433



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, 40.668, 196.917



92, 45.411, 196.652



72, 42.346, 265.629



52, 4.945, 198.959



70, 40.366, 196.380



24, 18.570, 196.381

Inverse Universe

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



64, 62.973, 27.130



59, 77.877, 30.721



78, 51.227, 66.420



49, 5.254, 19.940



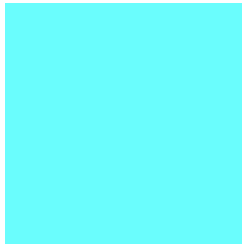
40, 84.228, 39.999



10, 33.367, 27.175

Previews

White Background



This preview shows how the CIE LCh color 92, 40.668, 196.919 looks on a white background.

Color Contrast Check

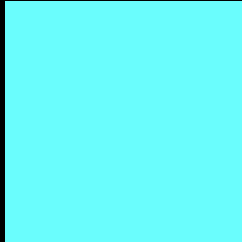
Large Text (above 18pt) WCAG AA × Fail

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, 40.668, 196.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

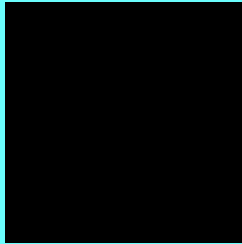
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

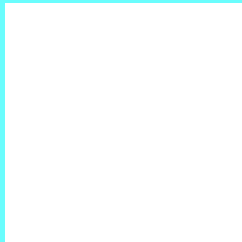
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 40.668, 196.919

Background



This preview shows how black text looks on a background with the CIELCh color 92, 40.668, 196.919.

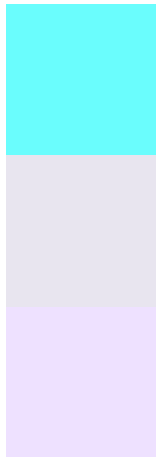


This preview shows how white text looks on a background with the CIELCh color 92, 40.668, 196.919.

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, 40.668, 196.919

Protanopia

91, 5.309, 302.033

Deuteranopia

91, 16.259, 307.281



Tritanopia
92, 22.285, 215.847

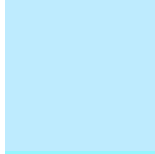
Trichromacy



Original Color
92, 40.668, 196.919



Protanomaly
91, 17.303, 208.775



Deuteranomaly
91, 17.327, 233.521

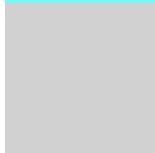


Tritanomaly
91, 29.537, 205.752

Monochromacy



Original Color
92, 40.668, 196.919



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 17.749, 198.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 40.668, 196.919 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(106, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(106, 253, 253)  
}
```

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(106, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 253, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 40.668, 196.919 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(106, 253, 253) }
```

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

```
.border{ border-color:rgb(106, 253, 253) }
```

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

Here you see how a box with a 4 pixel rgb(106, 253, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(106, 253,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 40.668, 196.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 253, 253) }
```

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

```
.background{ background-color: rgb(106,  
253, 253) }
```

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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