

Converting Colors

CIELCh(92, 44.013, 196.721)

Have a look what the booklet for
CIELCh(92, 44.013, 196.721)
contains.

CIELCh(92, 44.037, 196.736)	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, 44.037, 196.736)

Conversions

Conversions Part 1

Format	Color
Hex	57FFFF
RGB	87, 255, 255
RGB Percent	34%, 100%, 100%
CMY	0.6592, 0.0003, 0.0003
CMYK	0.66, 0.00, 0.00, 0.00
HSL	180°, 100%, 67%
HSV	180°, 66%, 100%
XYZ	57.6917, 80.7044, 107.0767
YIQ	204.7680, -100.1280, -35.6160

Conversions

Conversions Part 2

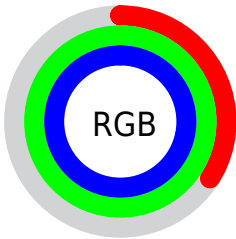
Format	Color
RYB	87, 171, 255
Decimal	5767167
CIELab	92.00, -42.17, -12.68
CIELCh	92, 44.037, 196.736
Yxy	80.7044, 0.2350, 0.3288
Android (android.graphics.Color)	4283957247 (0xFF57FFFF)
YUV	204.7680, 24.7644, -103.2825
Hunter-Lab	89.8356, -42.5811, -7.7839

Details

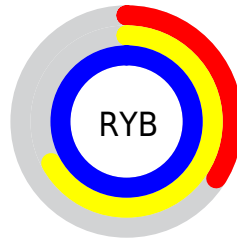
The CIELCh color **92, 44.037, 196.736** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **61, 72.958, 29.402**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 30.407, 197.545**, and **73, 41.423, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **92, 47.039, 196.561**, and if you desaturate by 10%, it is **93, 39.913, 196.976**.

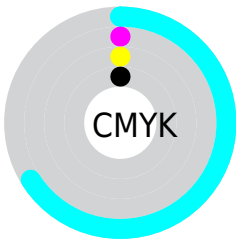
Distribution



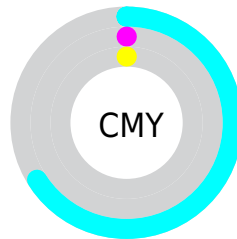
- Red (34%)
- Green (100%)
- Blue (100%)



- Red (34%)
- Yellow (67%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 44.037, 196.736 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, 44.037, 196.736 by changing the saturation by 10% instead.


 92, 44.037,
196.736

 92, 44.037,
196.736


 100, 44.037,
196.736


 82, 44.037,
196.736

 72, 44.037,
196.736

 62, 44.037,
196.736

 52, 44.037,
196.736

 42, 44.037,
196.736

 32, 44.037,
196.736

 22, 44.037,

196.736

■ 12, 44.037,
196.736

■ 2, 44.037, 196.736

■ 92, 44.037,
196.736

■ 92, 44.037,
196.736

■ 92, 47.039,
196.561

■ 93, 39.913,
196.976

■ 91, 48.953,
196.451

■ 93, 34.704,
197.285

■ 91, 49.896,
196.397

■ 95, 28.495,
197.660

■ 91, 50.104,
196.385

■ 96, 21.410,
198.098

■ 97, 13.592,
198.598

■ 99, 5.186, 199.203

100, 0.031,
357.073

100, 0.031,
356.822

100, 0.031,
356.573

Harmonies

Complementary

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



92, 44.037, 196.736



61, 72.958, 29.402

Rectangle

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



92, 44.037, 196.736



92, 44.037, 246.736



92, 44.037, 16.736



92, 44.037, 66.736

Sweetspot

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



92, 44.037, 196.735



97, 16.872, 198.385



89, 98.082, 138.229



51, 11.403, 198.246



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, 44.037, 196.735



91, 47.754, 196.520



69, 47.933, 268.407



52, 4.945, 198.962



70, 40.365, 196.385



24, 18.570, 196.385

Inverse Universe

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



61, 72.958, 29.402



56, 88.169, 33.904



76, 59.370, 65.380



49, 5.254, 19.942



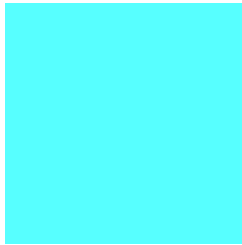
40, 84.229, 40.000



10, 33.367, 27.176

Previews

White Background



This preview shows how the CIE LCh color 92, 44.037, 196.736 looks on a white background.

Color Contrast Check

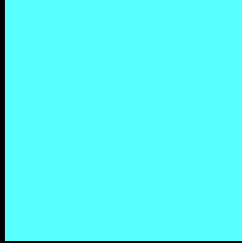
Large Text (above 18pt) WCAG AA × Fail

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, 44.037, 196.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

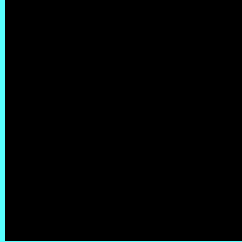
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

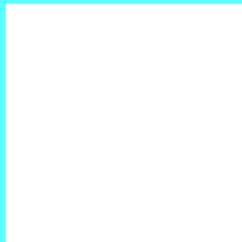
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 44.037, 196.736

Background



This preview shows how black text looks on a background with the CIELCh color 92, 44.037, 196.736.



This preview shows how white text looks on a background with the CIELCh color 92, 44.037, 196.736.

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





Tritanopia
92, 23.263, 213.663

Trichromacy



Original Color
92, 44.037, 196.736



Protanomaly
90, 19.403, 209.088



Deuteranomaly
91, 19.613, 227.048

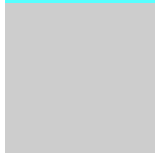


Tritanomaly
91, 31.899, 205.008

Monochromacy



Original Color
92, 44.037, 196.736



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 20.185, 198.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 44.037, 196.736 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(87, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 44.037, 196.736 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(87, 255, 255) }
```

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

```
.border{ border-color:rgb(87, 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(87, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 44.037, 196.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 255) }
```

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

```
.background{ background-color: rgb(87, 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](#).

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