

Converting Colors

CIELCh(100, 78.102, 272.936)

Have a look what the booklet for
CIELCh(100, 78.102, 272.936)
contains.

CIELCh(93, 40.183, 196.962)	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(93, 40.183, 196.962)

Conversions

Conversions Part 1

Format	Color
Hex	70FFFF
RGB	112, 255, 255
RGB Percent	44%, 100%, 100%
CMY	0.5599, 0.0000, 0.0000
CMYK	0.56, 0.00, 0.00, 0.00
HSL	180°, 100%, 72%
HSV	180°, 56%, 100%
XYZ	61.0445, 82.9670, 108.3187
YIQ	212.2430, -85.2280, -30.3160

Conversions

Conversions Part 2

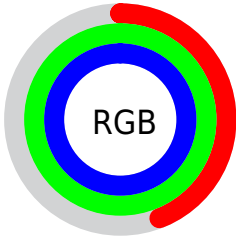
Format	Color
RYB	112, 184, 255
Decimal	7405567
CIELab	93.00, -38.43, -11.72
CIELCh	93, 40.183, 196.962
Yxy	82.9670, 0.2419, 0.3288
Android (android.graphics.Color)	4285595647 (0xFF70FFFF)
YUV	212.2430, 21.0792, -87.9131
Hunter-Lab	91.0862, -39.7732, -6.7466

Details

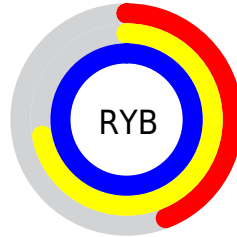
The CIELCh color **93, 40.183, 196.962** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 60.840, 26.628**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **73, 40.113, 196.477** is the 20% darker color. If you saturate the color by 10%, you get **92, 44.073, 196.734**, and if you desaturate by 10%, it is **94, 34.755, 197.284**.

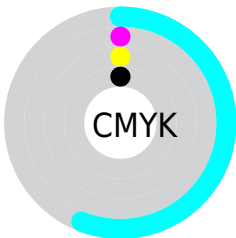
Distribution



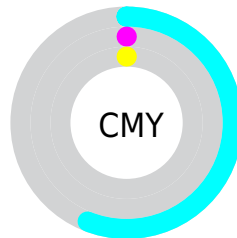
- Red (44%)
- Green (100%)
- Blue (100%)



- Red (44%)
- Yellow (72%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 40.183, 196.962 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 93, 40.183, 196.962 by changing the saturation by 10% instead.


 93, 40.183,
196.962


 93, 40.183,
196.962


 100, 40.183,
196.962


 83, 40.183,
196.962

 73, 40.183,
196.962

 63, 40.183,
196.962

 53, 40.183,
196.962

 43, 40.183,
196.962

 33, 40.183,
196.962

 23, 40.183,

196.962

■ 13, 40.183,
196.962

■ 3, 40.183, 196.962

■ 93, 40.183,
196.962

■ 93, 40.183,
196.962

■ 92, 44.073,
196.734

■ 94, 34.755,
197.284

■ 92, 47.068,
196.561

■ 95, 28.552,
197.658

■ 91, 48.975,
196.452

■ 96, 21.471,
198.095

■ 91, 49.911,
196.398

■ 97, 13.656,
198.594

■ 91, 50.115,
196.386

■ 99, 5.252, 199.199
100, 0.012,
296.813

Harmonies

Complementary

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



93, 40.183, 196.962



65, 60.840, 26.628

Rectangle

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



93, 40.183, 196.962



93, 40.183, 246.962



93, 40.183, 16.962



93, 40.183, 66.962

Sweetspot

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



93, 39.958, 196.975



97, 14.478, 198.541



90, 86.284, 139.614



51, 9.623, 198.436



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 39.958, 196.975



92, 44.428, 196.714



73, 42.109, 266.882



52, 4.945, 198.963



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

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



70, 85.538, 327.313



66, 98.058, 327.704



80, 49.653, 68.301



50, 9.057, 324.947



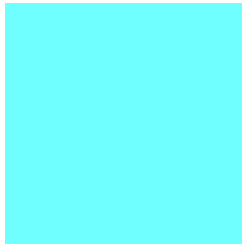
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIE LCh color 93, 40.183, 196.962 looks on a white background.

Color Contrast Check

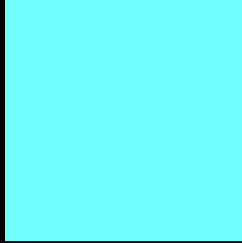
Large Text (above 18pt) WCAG AA × Fail

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 93, 40.183, 196.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

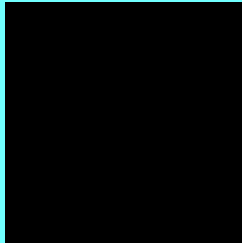
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 40.183, 196.962

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.183, 196.962.




This preview shows how white text looks on a background with the CIELCh color 93, 40.183, 196.962.

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, 20.286, 216.186

Trichromacy



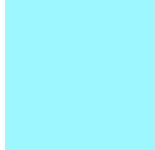
Original Color
93, 40.001, 196.972



Protanomaly
92, 16.649, 207.387



Deuteranomaly
92, 16.822, 230.346

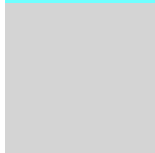


Tritanomaly
92, 27.800, 206.361

Monochromacy



Original Color
93, 40.001, 196.972



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 17.414, 198.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.183, 196.962 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(112, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.183, 196.962 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(112, 255, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.183, 196.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 255) }
```

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

```
.background{ background-color: rgb(112,  
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