

Converting Colors

CIELCh(100, 43.292, 232.055)

Have a look what the booklet for
CIELCh(100, 43.292, 232.055)
contains.

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Color

CIElCh(93, 37.485, 197.121)

Conversions

Conversions Part 1

Format	Color
Hex	7DFFFF
RGB	125, 255, 255
RGB Percent	49%, 100%, 100%
CMY	0.5105, 0.0007, 0.0007
CMYK	0.51, 0.00, 0.00, 0.00
HSL	180°, 100%, 74%
HSV	180°, 51%, 100%
XYZ	62.1597, 82.9670, 107.2034
YIQ	216.1300, -77.4800, -27.5600

Conversions

Conversions Part 2

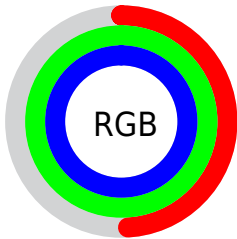
Format	Color
RYB	125, 190, 255
Decimal	8257535
CIELab	93.00, -35.82, -11.04
CIElCh	93, 37.485, 197.121
Yxy	82.9670, 0.2463, 0.3288
Android (android.graphics.Color)	4286447615 (0xFF7DFFFF)
YUV	216.1300, 19.1629, -79.9210
Hunter-Lab	91.0862, -37.5877, -6.0206

Details

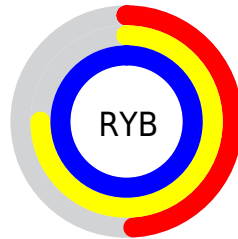
The CIELCh color **93, 37.485, 197.121** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **68, 54.720, 25.467**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **73, 37.575, 196.654** is the 20% darker color. If you saturate the color by 10%, you get **92, 42.146, 196.845**, and if you desaturate by 10%, it is **94, 31.774, 197.461**.

Distribution



- Red (49%)
- Green (100%)
- Blue (100%)



- Red (49%)
- Yellow (75%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 37.485, 197.121 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, 37.485, 197.121 by changing the saturation by 10% instead.


 93, 37.485,
197.121


 93, 37.485,
197.121


 100, 37.485,
197.121


 83, 37.485,
197.121

 73, 37.485,
197.121

 63, 37.485,
197.121

 53, 37.485,
197.121

 43, 37.485,
197.121

 33, 37.485,
197.121

 23, 37.485,

197.121

■ 13, 37.485,
197.121

■ 3, 37.485, 197.121

■ 93, 37.485,
197.121

■ 93, 37.485,
197.121

■ 92, 42.146,
196.845

■ 94, 31.774,
197.461

■ 92, 45.697,
196.638

■ 95, 25.122,
197.867

■ 91, 48.134,
196.497

■ 96, 17.661,
198.334

■ 91, 49.531,
196.417

■ 98, 9.540, 198.871

■ 100, 0.901,

■ 91, 50.091,
196.385

200.083

100, 0.061, 8.310

100, 0.061, 8.208

100, 0.061, 8.106

100, 0.061, 8.004

Harmonies

Complementary

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



93, 37.485, 197.121



68, 54.720, 25.467

Rectangle

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



93, 37.485, 197.121



93, 37.485, 247.121



93, 37.485, 17.121



93, 37.485, 67.121

Sweetspot

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



93, 37.485, 197.119



97, 12.851, 198.647



91, 79.132, 139.861



52, 8.713, 198.534



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, 37.485, 197.119



92, 42.161, 196.845



76, 37.727, 263.467



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.



68, 54.720, 25.467



63, 66.995, 27.952



81, 44.586, 67.299



49, 5.254, 19.943



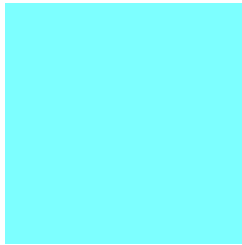
40, 84.229, 40.000



10, 33.367, 27.176

Previews

White Background



This preview shows how the CIE LCh color 93, 37.485, 197.121 looks on a white background.

Color Contrast Check

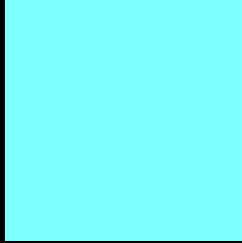
Large Text (above 18pt) WCAG AA × Fail

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, 37.485, 197.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

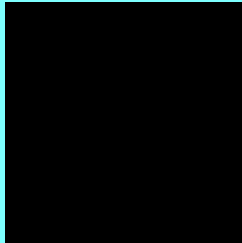
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 37.485, 197.121

Background



This preview shows how black text looks on a background with the CIELCh color 93, 37.485, 197.121.

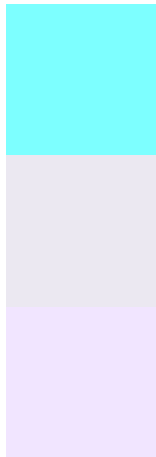


This preview shows how white text looks on a background with the CIELCh color 93, 37.485, 197.121.

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


93, 37.485, 197.121

Protanopia

92, 4.791, 303.237

Deuteranopia

93, 14.130, 308.187



Tritanopia
93, 18.785, 216.054

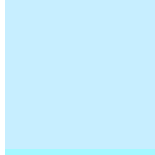
Trichromacy



Original Color
93, 37.485, 197.121



Protanomaly
92, 15.174, 210.368



Deuteranomaly
92, 15.288, 234.041

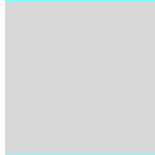


Tritanomaly
93, 25.992, 205.896

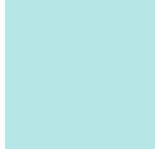
Monochromacy



Original Color
93, 37.485, 197.121



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 15.839, 198.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 37.485, 197.121 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(125, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 37.485, 197.121 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(125, 255, 255) }
```

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

```
.border{ border-color:rgb(125, 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(125, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 255, 255); box-shadow:4px 4px 4px 4px rgb(125, 255, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 37.485, 197.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 255) }
```

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

```
.background{ background-color: rgb(125,  
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](#).

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