

Converting Colors

CIELCh(100, 50.552, 244.905)

Have a look what the booklet for
CIELCh(100, 50.552, 244.905)
contains.

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Color

CIELCh(93, 40.363, 196.951)

Conversions

Conversions Part 1

Format	Color
Hex	6FFFFFF
RGB	111, 255, 255
RGB Percent	44%, 100%, 100%
CMY	0.5634, 0.0000, 0.0000
CMYK	0.56, 0.00, 0.00, 0.00
HSL	180°, 100%, 72%
HSV	180°, 56%, 100%
XYZ	60.9705, 82.9670, 108.3922
YIQ	211.9440, -85.8240, -30.5280

Conversions

Conversions Part 2

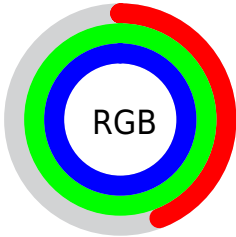
Format	Color
<code>RYB</code>	<code>111, 183, 255</code>
Decimal	<code>7340031</code>
CIELab	<code>93.00, -38.61, -11.77</code>
CIELCh	<code>93, 40.363, 196.951</code>
Yxy	<code>82.9670, 0.2416, 0.3288</code>
Android (<code>android.graphics.Color</code>)	<code>4285530111 (0xFF6FFFFF)</code>
YUV	<code>211.9440, 21.2266, -88.5279</code>
Hunter-Lab	<code>91.0862, -39.9182, -6.7944</code>

Details

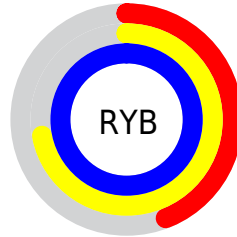
The CIELCh color **93, 40.363, 196.951** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 61.272, 26.716**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.662, 197.835**, and **73, 40.312, 196.463** is the 20% darker color. If you saturate the color by 10%, you get **92, 44.198, 196.727**, and if you desaturate by 10%, it is **93, 34.956, 197.272**.

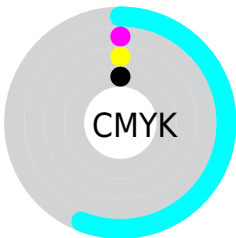
Distribution



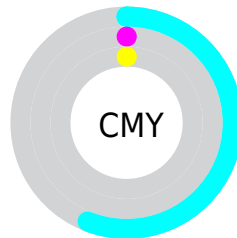
- Red (44%)
- Green (100%)
- Blue (100%)



- 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, 40.363, 196.951 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, 40.363, 196.951 by changing the saturation by 10% instead.


 93, 40.363,
196.951


 93, 40.363,
196.951


 100, 40.363,
196.951


 83, 40.363,
196.951

 73, 40.363,
196.951

 63, 40.363,
196.951

 53, 40.363,
196.951

 43, 40.363,
196.951

 33, 40.363,
196.951

 23, 40.363,

196.951

■ 13, 40.363,
196.951

■ 3, 40.363, 196.951

■ 93, 40.363,
196.951

■ 93, 40.363,
196.951

■ 92, 44.198,
196.727

■ 93, 34.956,
197.272

■ 92, 47.153,
196.556

■ 95, 28.786,
197.644

■ 91, 49.023,
196.449

■ 96, 21.734,
198.079

■ 91, 49.929,
196.397

■ 97, 13.942,
198.576

■ 91, 50.115,
196.386

■ 99, 5.556, 199.173
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, 40.363, 196.951



65, 61.272, 26.716

Rectangle

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



93, 40.363, 196.951



93, 40.363, 246.951



93, 40.363, 16.951



93, 40.363, 66.951

Sweetspot

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



93, 40.122, 196.965



97, 14.478, 198.541



90, 86.748, 139.574



51, 9.623, 198.436



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

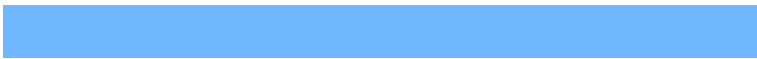
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 40.122, 196.965



92, 44.767, 196.694



73, 42.361, 266.994



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.



69, 85.980, 327.327



65, 99.047, 327.735



80, 50.000, 68.254



50, 9.057, 324.947



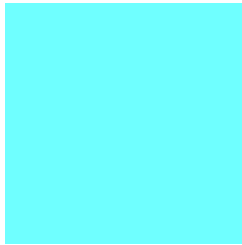
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIE LCh color 93, 40.363, 196.951 looks on a white background.

Color Contrast Check

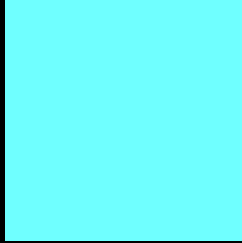
Large Text (above 18pt) WCAG AA × Fail

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, 40.363, 196.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

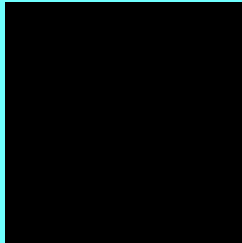
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 40.363, 196.951

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.363, 196.951.

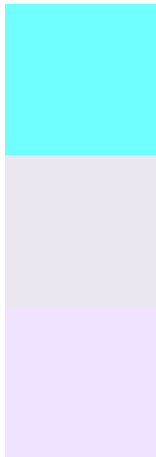


This preview shows how white text looks on a background with the CIELCh color 93, 40.363, 196.951.

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, 40.183, 196.962

Protanopia

92, 4.795, 303.238

Deuteranopia

92, 15.144, 307.072



Tritanopia
92, 20.286, 216.186

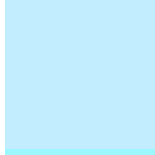
Trichromacy



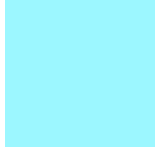
Original Color
93, 40.183, 196.962



Protanomaly
92, 16.951, 207.206



Deuteranomaly
91, 16.812, 232.528

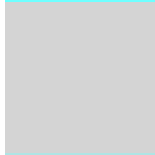


Tritanomaly
92, 28.053, 206.269

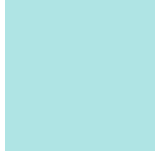
Monochromacy



Original Color
93, 40.183, 196.962



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 17.722, 198.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.363, 196.951 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(111, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 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(111, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.363, 196.951 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(111, 255, 255) }
```

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

```
.border{ border-color:rgb(111, 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(111, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.363, 196.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 255) }
```

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

```
.background{ background-color: rgb(111,  
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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