

Converting Colors

CIELCh(100, 53.916, 166.451)

Have a look what the booklet for
CIELCh(100, 53.916, 166.451)
contains.

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Color

CIElCh(93, 40.882, 177.574)

Conversions

Conversions Part 1

Format	Color
Hex	84FFE6
RGB	132, 255, 230
RGB Percent	52%, 100%, 90%
CMY	0.4813, 0.0000, 0.0972
CMYK	0.48, 0.00, 0.10, 0.00
HSL	168°, 100%, 76%
HSV	168°, 48%, 100%
XYZ	60.0270, 82.9670, 87.8644
YIQ	215.3730, -65.2830, -33.8510

Conversions

Conversions Part 2

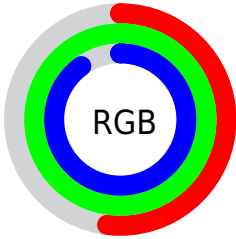
Format	Color
R_{YB}	132, 200, 255
Decimal	8716262
CIE Lab	93.00, -40.85, 1.73
CIE LCh	93, 40.882, 177.574
Yxy	82.9670, 0.2600, 0.3594
Android (android.graphics.Color)	4286906342 (0xFF84FFE6)
YUV	215.3730, 7.2111, -73.1181
Hunter-Lab	91.0862, -41.7672, 6.5675

Details

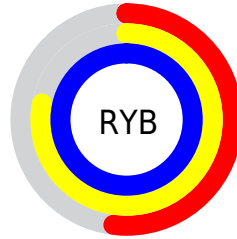
The CIELCh color **93, 40.882, 177.574** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **70, 49.695, 9.756**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **73, 40.408, 178.255** is the 20% darker color. If you saturate the color by 10%, you get **92, 46.710, 177.021**, and if you desaturate by 10%, it is **94, 33.030, 179.405**.

Distribution



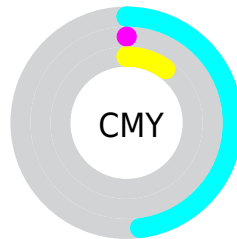
- Red (52%)
- Green (100%)
- Blue (90%)



- Red (52%)
- Yellow (78%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 40.882, 177.574 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, 40.882, 177.574 by changing the saturation by 10% instead.


 93, 40.882,
177.574


 93, 40.882,
177.574


 100, 40.882,
177.574


 83, 40.882,
177.574

 73, 40.882,
177.574

 63, 40.882,
177.574

 53, 40.882,
177.574

 43, 40.882,
177.574

 33, 40.882,
177.574

 23, 40.882,

177.574

■ 13, 40.882,
177.574

■ 3, 40.882, 177.574

■ 93, 40.882,
177.574

■ 93, 40.882,
177.574

■ 92, 46.710,
177.021

■ 94, 33.030,
179.405

■ 91, 52.125,
175.653

■ 95, 25.030,
180.466

■ 90, 56.489,
174.134

■ 97, 16.466,
181.468

■ 90, 59.817,
172.446

■ 98, 7.493, 182.448

100, 0.012,

■ 90, 62.242,
170.590

296.813

■ 90, 62.651,
170.240

Harmonies

Complementary

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



93, 40.882, 177.574



70, 49.695, 9.756

Rectangle

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



93, 40.882, 177.574



93, 40.882, 227.574



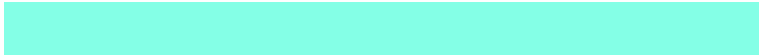
93, 40.882, 357.574



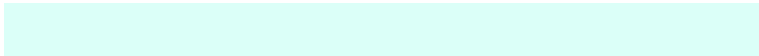
93, 40.882, 47.574

Sweetspot

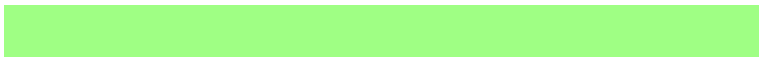
The Sweet Spot groups the original color and five complimentary colors.



93, 40.306, 178.264



97, 12.802, 181.871



92, 70.815, 135.556



52, 8.808, 181.661



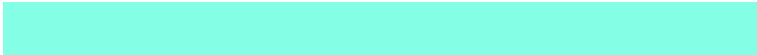
0, 0.000, 0.000



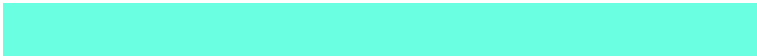
53, 0.007, 296.813

Same Dimension

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



93, 40.306, 178.264



92, 46.633, 177.038



84, 30.589, 235.246



52, 5.232, 182.311



69, 50.236, 170.593



23, 22.408, 173.116

Inverse Universe

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



70, 49.695, 9.756



65, 60.105, 12.189



76, 42.499, 47.474



50, 5.433, 3.932



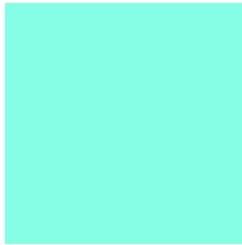
40, 74.846, 29.445



10, 31.972, 18.633

Previews

White Background



This preview shows how the CIE LCh color 93, 40.882, 177.574 looks on a white background.

Color Contrast Check

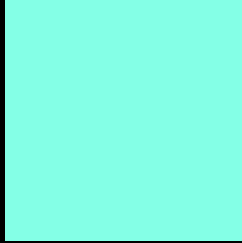
Large Text (above 18pt) WCAG AA × Fail

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, 40.882, 177.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

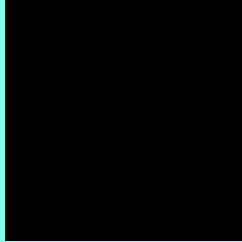
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 40.882, 177.574

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.882, 177.574.

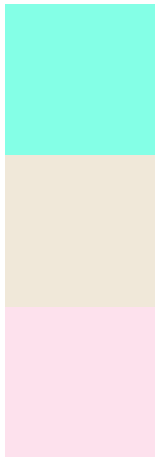


This preview shows how white text looks on a background with the CIELCh color 93, 40.882, 177.574.

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, 40.416, 178.149

Protanopia

92, 8.245, 88.711

Deuteranopia

92, 11.814, 348.649



Tritanopia
93, 18.901, 217.623

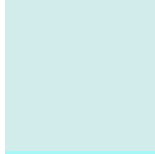
Trichromacy



Original Color
93, 40.416, 178.149



Protanomaly
92, 16.662, 164.350

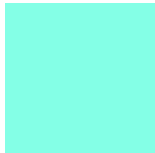


Deuteranomaly
91, 9.342, 195.657

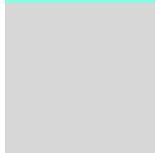


Tritanomaly
92, 25.514, 196.631

Monochromacy



Original Color
93, 40.416, 178.149



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 16.288, 181.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.882, 177.574 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(132, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 230)  
}
```

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(132, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.882, 177.574 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(132, 255, 230) }
```

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

```
.border{ border-color:rgb(132, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.882, 177.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 230) }
```

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

```
.background{ background-color: rgb(132,  
255, 230) }
```

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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