

Converting Colors

CIELCh(93, 40.936, 177.739)

Have a look what the booklet for
CIELCh(93, 40.936, 177.739)
contains.

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Color

CIELCh(93, 40.416, 178.149)

Conversions

Conversions Part 1

Format	Color
Hex	85FFE7
RGB	133, 255, 231
RGB Percent	52%, 100%, 91%
CMY	0.4781, 0.0000, 0.0940
CMYK	0.48, 0.00, 0.09, 0.00
HSL	168°, 100%, 76%
HSV	168°, 48%, 100%
XYZ	60.2162, 82.9670, 88.4675
YIQ	215.7860, -65.0080, -33.3280

Conversions

Conversions Part 2

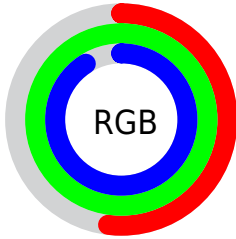
Format	Color
R_{YB}	133, 201, 255
Decimal	8781799
CIE _{Lab}	93.00, -40.39, 1.31
CIE _{LCh}	93, 40.416, 178.149
Yxy	82.9670, 0.2599, 0.3582
Android (android.graphics.Color)	4286971879 (0xFF85FFE7)
YUV	215.7860, 7.5005, -72.6033
Hunter-Lab	91.0862, -41.3963, 6.1750

Details

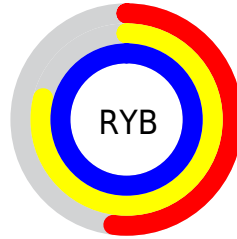
The CIELCh color **93, 40.416, 178.149** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **70, 49.337, 10.100**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **73, 39.975, 178.904** is the 20% darker color. If you saturate the color by 10%, you get **92, 46.310, 177.529**, and if you desaturate by 10%, it is **94, 32.666, 179.880**.

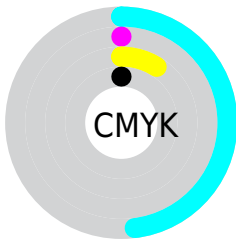
Distribution



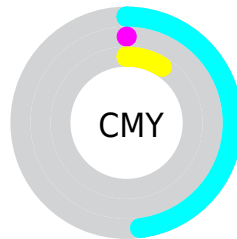
- Red (52%)
- Green (100%)
- Blue (91%)



- Red (52%)
- Yellow (79%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 40.416, 178.149 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, 40.416, 178.149 by changing the saturation by 10% instead.


 93, 40.416,
178.149


 93, 40.416,
178.149


 100, 40.416,
178.149


 83, 40.416,
178.149

 73, 40.416,
178.149

 63, 40.416,
178.149

 53, 40.416,
178.149

 43, 40.416,
178.149

 33, 40.416,
178.149

 23, 40.416,

178.149

■ 13, 40.416,
178.149

■ 3, 40.416, 178.149

■ 93, 40.416,
178.149

■ 93, 40.416,
178.149

■ 92, 46.310,
177.529

■ 94, 32.666,
179.880

■ 91, 51.706,
176.182

■ 95, 24.685,
180.930

■ 90, 56.050,
174.689

■ 97, 16.138,
181.924

■ 90, 59.353,
173.030

■ 98, 7.182, 182.900

100, 0.012,

■ 90, 61.742,
171.204

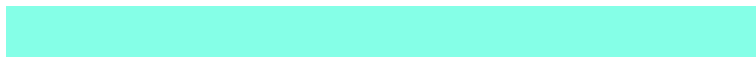
296.813

■ 90, 62.208,
170.798

Harmonies

Complementary

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



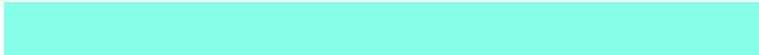
93, 40.416, 178.149



70, 49.337, 10.100

Rectangle

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



93, 40.416, 178.149



93, 40.416, 228.149



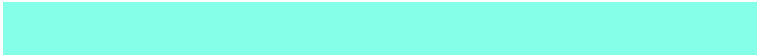
93, 40.416, 358.149



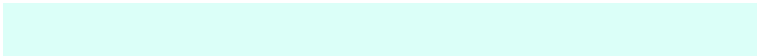
93, 40.416, 48.149

Sweetspot

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



93, 39.924, 178.754



97, 12.769, 182.293



92, 70.725, 136.010



52, 8.784, 182.084



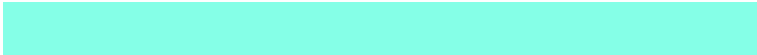
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 39.924, 178.754



92, 45.830, 177.632



83, 30.564, 237.686



52, 5.219, 182.731



69, 49.887, 171.146



23, 22.273, 173.632

Inverse Universe

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



70, 49.337, 10.100



65, 59.092, 12.335



77, 41.904, 49.102



50, 5.423, 4.344



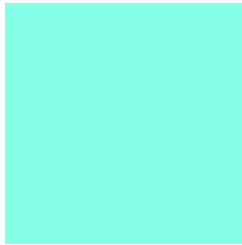
40, 75.115, 29.852



10, 32.004, 18.906

Previews

White Background



This preview shows how the CIE LCh color 93, 40.416, 178.149 looks on a white background.

Color Contrast Check

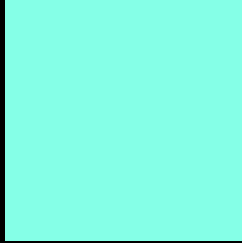
Large Text (above 18pt) WCAG AA × Fail

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, 40.416, 178.149 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

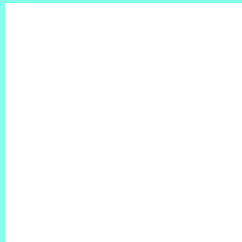
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 40.416, 178.149

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.416, 178.149.

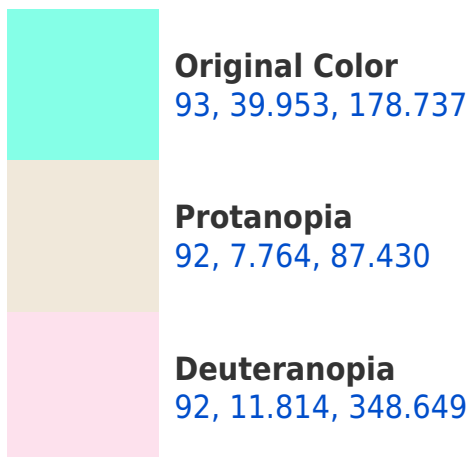


This preview shows how white text looks on a background with the CIELCh color 93, 40.416, 178.149.

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
93, 18.901, 217.623

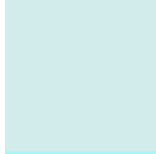
Trichromacy



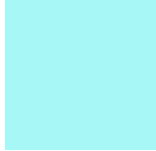
Original Color
93, 39.953, 178.737



Protanomaly
92, 16.354, 165.808

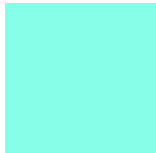


Deuteranomaly
91, 9.342, 195.657

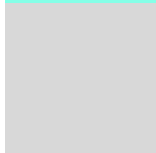


Tritanomaly
92, 25.514, 196.631

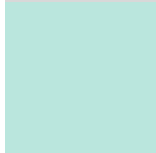
Monochromacy



Original Color
93, 39.953, 178.737



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 15.977, 181.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.416, 178.149 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(133, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 231)  
}
```

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(133, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.416, 178.149 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(133, 255, 231) }
```

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

```
.border{ border-color:rgb(133, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.416, 178.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 231) }
```

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

```
.background{ background-color: rgb(133,  
255, 231) }
```

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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