

Converting Colors

CIELCh(93, 40.604, 181.266)

Have a look what the booklet for
CIELCh(93, 40.604, 181.266)
contains.

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Color

CIElCh(93, 40.121, 181.882)

Conversions

Conversions Part 1

Format	Color
Hex	81FFEC
RGB	129, 255, 236
RGB Percent	51%, 100%, 93%
CMY	0.4935, 0.0000, 0.0742
CMYK	0.49, 0.00, 0.07, 0.00
HSL	171°, 100%, 75%
HSV	171°, 49%, 100%
XYZ	60.3407, 82.9670, 92.2505
YIQ	215.1600, -68.9970, -32.6210

Conversions

Conversions Part 2

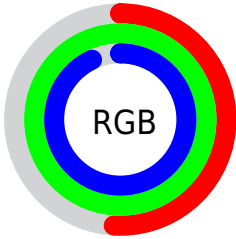
Format	Color
RYB	129, 197, 255
Decimal	8519660
CIELab	93.00, -40.10, -1.32
CIElCh	93, 40.121, 181.882
Yxy	82.9670, 0.2562, 0.3522
Android (android.graphics.Color)	4286709740 (0xFF81FFEC)
YUV	215.1600, 10.2741, -75.5623
Hunter-Lab	91.0862, -41.1525, 3.7126

Details

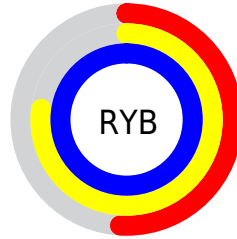
The CIELCh color **93, 40.121, 181.882** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **69, 51.056, 13.967**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.394, 198.100**, and **73, 39.901, 182.124** is the 20% darker color. If you saturate the color by 10%, you get **92, 45.481, 181.471**, and if you desaturate by 10%, it is **94, 32.868, 183.584**.

Distribution



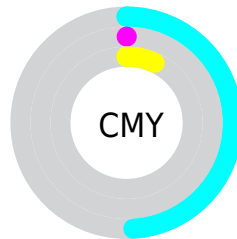
- Red (51%)
- Green (100%)
- Blue (93%)



- Red (51%)
- Yellow (77%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 40.121, 181.882 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, 40.121, 181.882 by changing the saturation by 10% instead.


 93, 40.121,
181.882


 93, 40.121,
181.882


 100, 40.121,
181.882


 83, 40.121,
181.882

 73, 40.121,
181.882

 63, 40.121,
181.882

 53, 40.121,
181.882

 43, 40.121,
181.882

 33, 40.121,
181.882

 23, 40.121,

181.882

■ 13, 40.121,
181.882

■ 3, 40.121, 181.882

■ 93, 40.121,
181.882

■ 93, 40.121,
181.882

■ 92, 45.481,
181.471

■ 94, 32.868,
183.584

■ 91, 50.290,
180.281

■ 95, 25.305,
184.548

■ 91, 54.021,
178.974

■ 97, 17.105,
185.473

■ 90, 56.707,
177.529

■ 98, 8.425, 186.389

100, 0.012,

■ 90, 58.524,
175.951

296.813

■ 90, 58.630,
175.848

Harmonies

Complementary

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



93, 40.121, 181.882



69, 51.056, 13.967

Rectangle

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



93, 40.121, 181.882



93, 40.121, 231.882



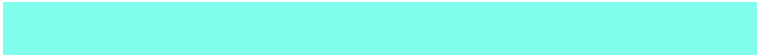
93, 40.121, 1.882



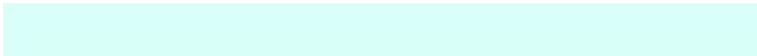
93, 40.121, 51.882

Sweetspot

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



93, 39.639, 182.565



97, 13.376, 185.869



92, 73.588, 136.733



52, 9.088, 185.678



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

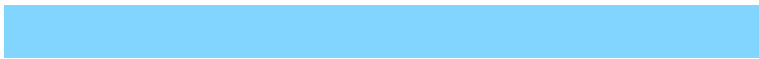
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 39.639, 182.565



92, 45.292, 181.511



82, 31.832, 243.004



52, 5.119, 186.374



69, 47.071, 176.146



23, 21.184, 178.254

Inverse Universe

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



69, 51.056, 13.967



64, 61.528, 16.442



77, 43.079, 52.336



50, 5.347, 7.905



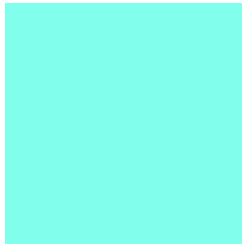
40, 77.461, 33.057



10, 32.278, 21.004

Previews

White Background



This preview shows how the CIE LCh color 93, 40.121, 181.882 looks on a white background.

Color Contrast Check

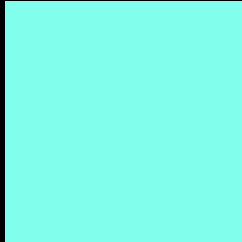
Large Text (above 18pt) WCAG AA × Fail

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, 40.121, 181.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

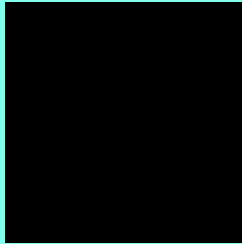
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 40.121, 181.882

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.121, 181.882.

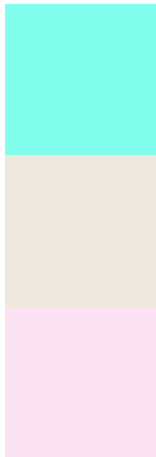


This preview shows how white text looks on a background with the CIELCh color 93, 40.121, 181.882.

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, 39.688, 182.517

Protanopia

92, 5.265, 80.956

Deuteranopia

92, 12.169, 337.514



Tritanopia
92, 19.180, 217.318

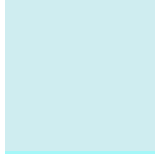
Trichromacy



Original Color
93, 39.688, 182.517



Protanomaly
92, 15.587, 174.878



Deuteranomaly
92, 10.311, 207.492

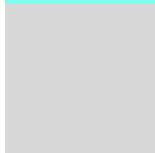


Tritanomaly
92, 25.920, 198.938

Monochromacy



Original Color
93, 39.688, 182.517



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 16.252, 185.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.121, 181.882 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(129, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 236)  
}
```

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(129, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.121, 181.882 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(129, 255, 236) }
```

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

```
.border{ border-color:rgb(129, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 255, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 255, 236); box-shadow:4px 4px 4px 4px rgb(129, 255, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.121, 181.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 236) }
```

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

```
.background{ background-color: rgb(129,  
255, 236) }
```

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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