

Converting Colors

CIELCh(93, 38.145, 188.405)

Have a look what the booklet for
CIELCh(93, 38.145, 188.405)
contains.

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Color

CIElCh(93, 38.145, 188.405)

Conversions

Conversions Part 1

Format	Color
Hex	81FFF4
RGB	129, 255, 244
RGB Percent	51%, 100%, 96%
CMY	0.4928, 0.0000, 0.0419
CMYK	0.49, 0.00, 0.04, 0.00
HSL	175°, 100%, 75%
HSV	175°, 49%, 100%
XYZ	61.3420, 82.9670, 98.6184
YIQ	216.0720, -71.5650, -30.1330

Conversions

Conversions Part 2

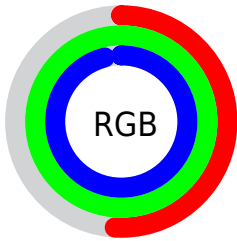
Format	Color
RYB	129, 195, 255
Decimal	8519668
CIELab	93.00, -37.74, -5.58
CIELCh	93, 38.145, 188.405
Yxy	82.9670, 0.2525, 0.3415
Android (android.graphics.Color)	4286709748 (0xFF81FFF4)
YUV	216.0720, 13.7685, -76.3621
Hunter-Lab	91.0862, -39.1901, -0.4325

Details

The CIELCh color **93, 38.145, 188.405** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **69, 51.420, 18.883**, 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, 38.272, 188.319** is the 20% darker color. If you saturate the color by 10%, you get **92, 43.371, 187.827**, and if you desaturate by 10%, it is **94, 31.688, 189.418**.

Distribution



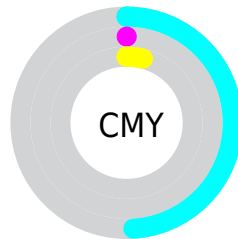
- Red (51%)
- Green (100%)
- Blue (96%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 38.145, 188.405 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, 38.145, 188.405 by changing the saturation by 10% instead.


 93, 38.145,
188.405


 93, 38.145,
188.405


 100, 38.145,
188.405


 83, 38.145,
188.405

 73, 38.145,
188.405

 63, 38.145,
188.405

 53, 38.145,
188.405

 43, 38.145,
188.405

 33, 38.145,
188.405

 23, 38.145,

188.405

■ 13, 38.145,
188.405

■ 3, 38.145, 188.405

■ 93, 38.145,
188.405

■ 93, 38.145,
188.405

■ 92, 43.371,
187.827

■ 94, 31.688,
189.418

■ 91, 47.652,
186.984

■ 95, 24.506,
190.189

■ 91, 50.829,
186.086

■ 97, 16.622,
190.959

■ 91, 52.942,
185.117

■ 98, 8.189, 191.752

100, 0.012,

■ 91, 54.170,
184.070

296.813

■ 91, 54.245,
183.994

Harmonies

Complementary

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



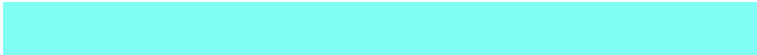
93, 38.145, 188.405



69, 51.420, 18.883

Rectangle

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



93, 38.145, 188.405



93, 38.145, 238.405



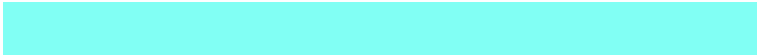
93, 38.145, 8.405



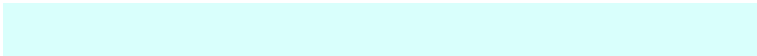
93, 38.145, 58.405

Sweetspot

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



93, 38.019, 188.634



97, 13.071, 191.292



91, 74.937, 138.293



52, 8.872, 191.127



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

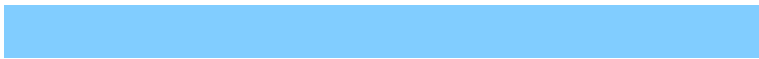
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 38.019, 188.634



92, 43.236, 187.850



79, 33.404, 252.461



52, 5.015, 191.733



70, 43.621, 184.189



23, 19.850, 185.555

Inverse Universe

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



69, 51.420, 18.883



64, 62.511, 21.349



79, 42.578, 59.062



50, 5.277, 13.079



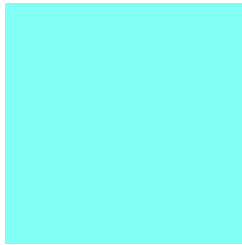
40, 80.672, 36.679



10, 32.706, 23.735

Previews

White Background



This preview shows how the CIE LCh color 93, 38.145, 188.405 looks on a white background.

Color Contrast Check

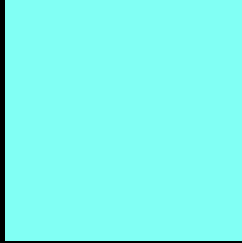
Large Text (above 18pt) WCAG AA × Fail

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, 38.145, 188.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

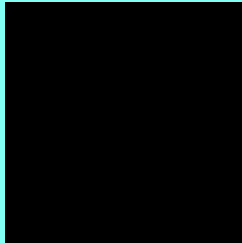
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

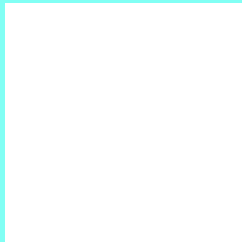
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 38.145, 188.405

Background



This preview shows how black text looks on a background with the CIELCh color 93, 38.145, 188.405.

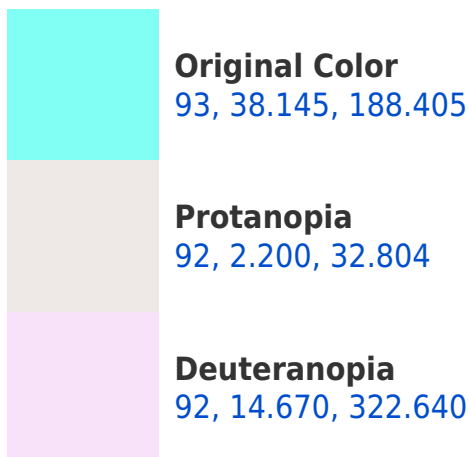


This preview shows how white text looks on a background with the CIELCh color 93, 38.145, 188.405.

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



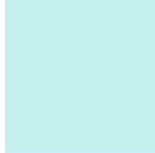


Tritanopia
93, 18.623, 217.938

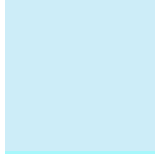
Trichromacy



Original Color
93, 38.145, 188.405



Protanomaly
92, 14.479, 190.232

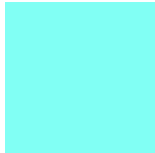


Deuteranomaly
92, 11.997, 227.265

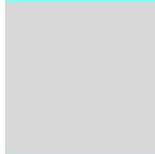


Tritanomaly
92, 25.241, 202.585

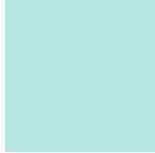
Monochromacy



Original Color
93, 38.145, 188.405



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 15.843, 190.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 38.145, 188.405 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 38.145, 188.405 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, 244) }
```

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

```
.border{ border-color:rgb(129, 255, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 38.145, 188.405 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, 244) }
```

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

```
.background{ background-color: rgb(129,  
255, 244) }
```

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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