

Converting Colors

CIELCh(100, 53.243, 169.270)

Have a look what the booklet for
CIELCh(100, 53.243, 169.270)
contains.

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Color

CIElCh(93, 40.768, 181.328)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFEB
RGB	127, 255, 235
RGB Percent	50%, 100%, 92%
CMY	0.5002, 0.0000, 0.0771
CMYK	0.50, 0.00, 0.08, 0.00
HSL	171°, 100%, 75%
HSV	171°, 50%, 100%
XYZ	60.0640, 82.9670, 91.7064
YIQ	214.4480, -69.8680, -33.3560

Conversions

Conversions Part 2

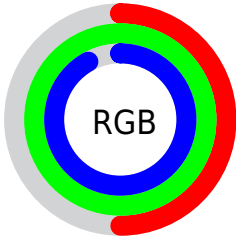
Format	Color
RYB	127, 196, 255
Decimal	8388587
CIELab	93.00, -40.76, -0.94
CIELCh	93, 40.768, 181.328
Yxy	82.9670, 0.2559, 0.3534
Android (android.graphics.Color)	4286578667 (0xFF7FFFE8)
YUV	214.4480, 10.1321, -76.6919
Hunter-Lab	91.0862, -41.6946, 4.0667

Details

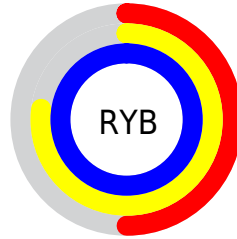
The CIELCh color **93, 40.768, 181.328** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **69, 51.778, 13.835**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **73, 40.593, 181.523** is the 20% darker color. If you saturate the color by 10%, you get **92, 45.971, 181.047**, and if you desaturate by 10%, it is **94, 33.423, 183.196**.

Distribution



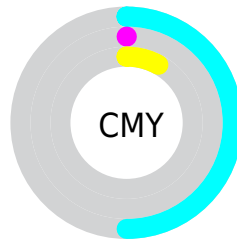
- Red (50%)
- Green (100%)
- Blue (92%)



- Red (50%)
- Yellow (77%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 40.768, 181.328 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, 40.768, 181.328 by changing the saturation by 10% instead.


 93, 40.768,
181.328


 93, 40.768,
181.328


 100, 40.768,
181.328


 83, 40.768,
181.328

 73, 40.768,
181.328

 63, 40.768,
181.328

 53, 40.768,
181.328

 43, 40.768,
181.328

 33, 40.768,
181.328

 23, 40.768,

181.328

■ 13, 40.768,
181.328

■ 3, 40.768, 181.328

■ 93, 40.768,
181.328

■ 93, 40.768,
181.328

■ 92, 45.971,
181.047

■ 94, 33.423,
183.196

■ 91, 50.742,
179.834

■ 95, 25.884,
184.172

■ 91, 54.436,
178.498

■ 96, 17.701,
185.106

■ 90, 57.092,
177.021

■ 98, 9.031, 186.025

100, 0.021,

■ 90, 58.907,
175.418

218.051

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, 40.768, 181.328



69, 51.778, 13.835

Rectangle

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



93, 40.768, 181.328



93, 40.768, 231.328



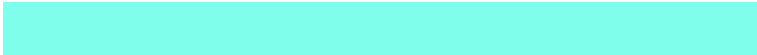
93, 40.768, 1.328



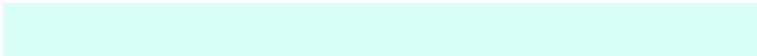
93, 40.768, 51.328

Sweetspot

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



93, 40.165, 182.160



97, 13.397, 185.566



91, 74.513, 136.683



52, 9.102, 185.373



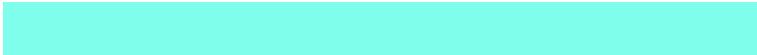
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 40.165, 182.160



92, 45.959, 181.049



81, 32.187, 243.169



52, 5.127, 186.074



69, 47.289, 175.720



23, 21.269, 177.863

Inverse Universe

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



69, 51.778, 13.835



64, 62.546, 16.447



77, 43.771, 52.304



50, 5.352, 7.613



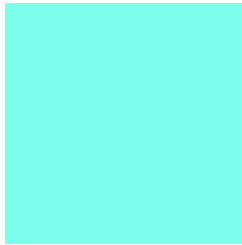
40, 77.269, 32.815



10, 32.256, 20.845

Previews

White Background



This preview shows how the CIE LCh color 93, 40.768, 181.328 looks on a white background.

Color Contrast Check

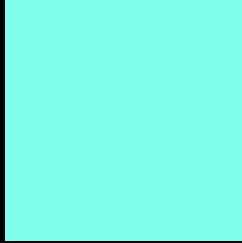
Large Text (above 18pt) WCAG AA × Fail

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, 40.768, 181.328 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, 40.768, 181.328

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.768, 181.328.



This preview shows how white text looks on a background with the CIELCh color 93, 40.768, 181.328.

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



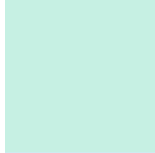


Tritanopia
92, 19.457, 217.022

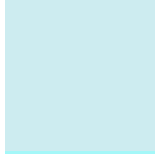
Trichromacy



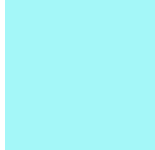
Original Color
93, 40.334, 181.949



Protanomaly
92, 16.131, 173.667



Deuteranomaly
91, 10.697, 209.993

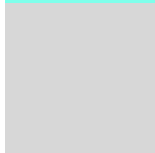


Tritanomaly
92, 26.191, 198.909

Monochromacy



Original Color
93, 40.334, 181.949



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 16.730, 183.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.768, 181.328 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(127, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 235)  
}
```

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(127, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.768, 181.328 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(127, 255, 235) }
```

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

```
.border{ border-color:rgb(127, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.768, 181.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 235) }
```

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

```
.background{ background-color: rgb(127,  
255, 235) }
```

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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