

Converting Colors

CIELCh(99, 48.950, 166.207)

Have a look what the booklet for
CIELCh(99, 48.950, 166.207)
contains.

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Color

CIElCh(93, 38.190, 175.529)

Conversions

Conversions Part 1

Format	Color
Hex	90FFE4
RGB	144, 255, 228
RGB Percent	56%, 100%, 89%
CMY	0.4357, 0.0004, 0.1063
CMYK	0.44, 0.00, 0.11, 0.00
HSL	165°, 100%, 78%
HSV	165°, 44%, 100%
XYZ	61.1980, 82.9670, 86.1115
YIQ	218.7330, -57.4890, -31.9290

Conversions

Conversions Part 2

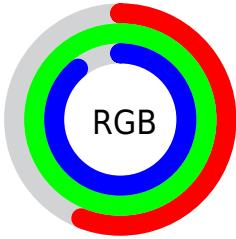
Format	Color
RYB	144, 207, 255
Decimal	9502692
CIELab	93.00, -38.07, 2.98
CIELCh	93, 38.190, 175.529
Yxy	82.9670, 0.2658, 0.3603
Android (android.graphics.Color)	4287692772 (0xFF90FFE4)
YUV	218.7330, 4.5686, -65.5408
Hunter-Lab	91.0862, -39.4724, 7.7086

Details

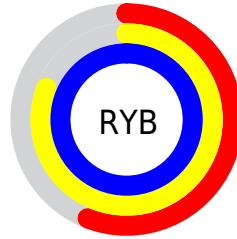
The CIELCh color **93, 38.190, 175.529** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72, 44.977, 5.702**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **73, 38.264, 175.663** is the 20% darker color. If you saturate the color by 10%, you get **92, 45.372, 174.250**, and if you desaturate by 10%, it is **94, 30.238, 176.695**.

Distribution



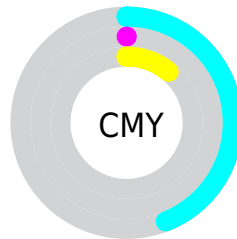
- Red (56%)
- Green (100%)
- Blue (89%)



- Red (56%)
- Yellow (81%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 38.190, 175.529 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, 38.190, 175.529 by changing the saturation by 10% instead.


 93, 38.190,
175.529


 93, 38.190,
175.529


 100, 38.190,
175.529


 83, 38.190,
175.529

 73, 38.190,
175.529

 63, 38.190,
175.529

 53, 38.190,
175.529

 43, 38.190,
175.529

 33, 38.190,
175.529

 23, 38.190,

175.529

■ 13, 38.190,
175.529

■ 3, 38.190, 175.529

■ 93, 38.190,
175.529

■ 93, 38.190,
175.529

■ 92, 45.372,
174.250

■ 94, 30.238,
176.695

■ 91, 51.643,
172.840

■ 96, 21.674,
177.776

■ 90, 56.906,
171.269

■ 97, 12.660,
178.796

■ 90, 61.131,
169.518

■ 99, 3.346, 179.868

100, 0.074,

■ 90, 64.381,
167.575

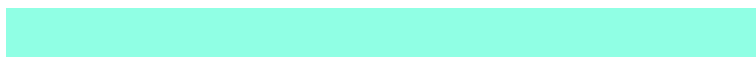
320.260

■ 90, 66.098,
166.253

Harmonies

Complementary

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



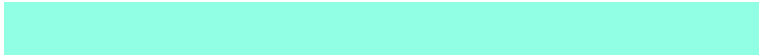
93, 38.190, 175.529



72, 44.977, 5.702

Rectangle

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



93, 38.190, 175.529



93, 38.190, 225.529



93, 38.190, 355.529



93, 38.190, 45.529

Sweetspot

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



93, 38.191, 175.527



98, 12.161, 178.851



93, 63.734, 134.950



52, 8.486, 178.629



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

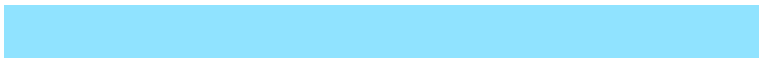
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 38.191, 175.527



92, 44.332, 174.456



86, 28.143, 229.444



52, 5.339, 179.202



69, 52.967, 166.636



23, 23.468, 169.401

Inverse Universe

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



72, 44.977, 5.702



68, 53.939, 7.501



78, 38.290, 44.276



50, 5.520, 0.864



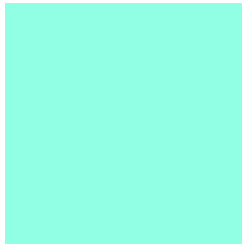
40, 72.919, 26.185



10, 31.736, 16.389

Previews

White Background



This preview shows how the CIELCh color 93, 38.190, 175.529 looks on a white background.

Color Contrast Check

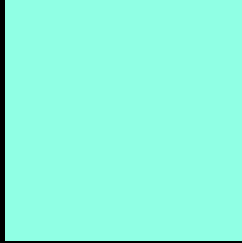
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 93, 38.190, 175.529 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, 38.190, 175.529

Background



This preview shows how black text looks on a background with the CIELCh color 93, 38.190, 175.529.

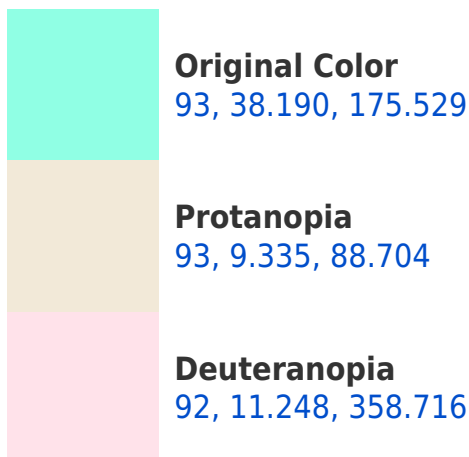



This preview shows how white text looks on a background with the CIELCh color 93, 38.190, 175.529.

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



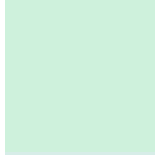


Tritanopia
93, 17.503, 219.305

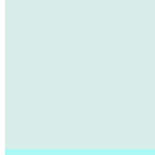
Trichromacy



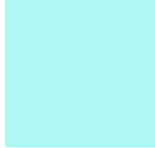
Original Color
93, 38.190, 175.529



Protanomaly
92, 16.567, 157.500



Deuteranomaly
92, 8.151, 180.418

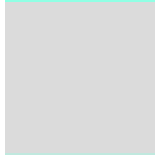


Tritanomaly
93, 23.345, 195.380

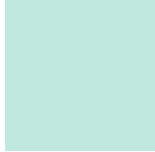
Monochromacy



Original Color
93, 38.190, 175.529



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 14.914, 177.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 38.190, 175.529 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(144, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 228)  
}
```

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(144, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 38.190, 175.529 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(144, 255, 228) }
```

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

```
.border{ border-color:rgb(144, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 38.190, 175.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 228) }
```

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

```
.background{ background-color: rgb(144,  
255, 228) }
```

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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