

Converting Colors

CIELCh(93, 38.457, 169.826)

Have a look what the booklet for
CIELCh(93, 38.457, 169.826)
contains.

CIELCh(93, 38.462, 169.823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(93, 38.462, 169.823)

Conversions

Conversions Part 1

Format	Color
Hex	97FFDD
RGB	151, 255, 221
RGB Percent	59%, 100%, 87%
CMY	0.4096, 0.0018, 0.1350
CMYK	0.41, 0.00, 0.13, 0.00
HSL	160°, 99%, 79%
HSV	160°, 41%, 100%
XYZ	61.2902, 82.9670, 80.8870
YIQ	220.0280, -51.0700, -32.6220

Conversions

Conversions Part 2

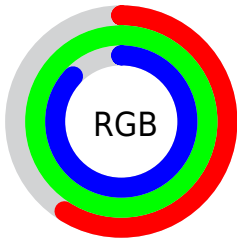
Format	Color
RYB	151, 213, 255
Decimal	9961437
CIELab	93.00, -37.86, 6.80
CIELCh	93, 38.462, 169.823
Yxy	82.9670, 0.2722, 0.3685
Android (android.graphics.Color)	4288151517 (0xFF97FFDD)
YUV	220.0280, 0.4792, -60.5376
Hunter-Lab	91.0862, -39.2916, 11.1093

Details

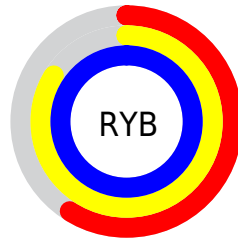
The CIELCh color **93, 38.462, 169.823** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74, 42.991, 359.115**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **73, 38.530, 169.687** is the 20% darker color. If you saturate the color by 10%, you get **92, 46.630, 168.484**, and if you desaturate by 10%, it is **94, 29.635, 171.031**.

Distribution



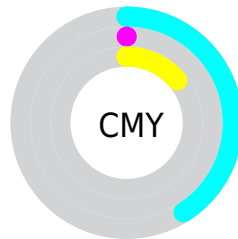
- Red (59%)
- Green (100%)
- Blue (87%)



- Red (59%)
- Yellow (84%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 38.462, 169.823 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, 38.462, 169.823 by changing the saturation by 10% instead.


 93, 38.462,
169.823


 93, 38.462,
169.823


 100, 38.462,
169.823


 83, 38.462,
169.823

 73, 38.462,
169.823

 63, 38.462,
169.823

 53, 38.462,
169.823

 43, 38.462,
169.823

 33, 38.462,
169.823

 23, 38.462,

169.823

■ 13, 38.462,
169.823

■ 3, 38.462, 169.823

■ 93, 38.462,
169.823

■ 93, 38.462,
169.823

■ 92, 46.630,
168.484

■ 94, 29.635,
171.031

■ 91, 53.979,
166.991

■ 96, 20.316,
172.136

■ 90, 60.383,
165.317

■ 98, 10.668,
173.168

■ 90, 65.779,
163.442

■ 100, 0.837,
174.721

■ 89, 70.190,
161.357

100, 0.287,
323.373

■ 89, 73.533,
159.314

Harmonies

Complementary

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



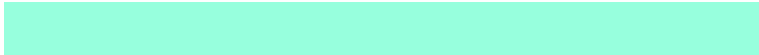
93, 38.462, 169.823



74, 42.991, 359.115

Rectangle

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



93, 38.462, 169.823



93, 38.462, 219.823



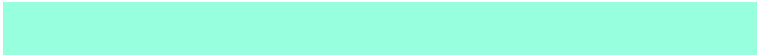
93, 38.462, 349.823



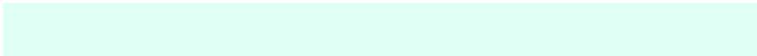
93, 38.462, 39.823

Sweetspot

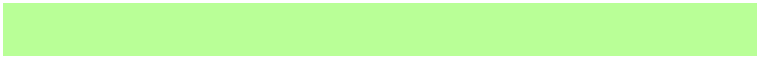
The Sweet Spot groups the original color and five complimentary colors.



93, 38.463, 169.822



98, 11.804, 173.052



93, 58.373, 132.666



52, 7.822, 172.919



0, 0.000, 0.000



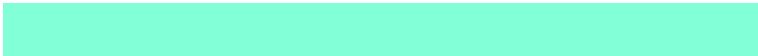
53, 0.007, 296.813

Same Dimension

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



93, 38.463, 169.822



92, 45.238, 168.742



89, 27.401, 217.251



52, 5.601, 173.306



69, 58.892, 159.733



23, 25.788, 162.805

Inverse Universe

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



74, 42.991, 359.115



70, 51.647, 0.625



77, 37.225, 36.446



50, 5.744, 354.978



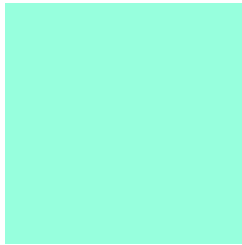
40, 69.839, 18.801



10, 31.366, 10.801

Previews

White Background



This preview shows how the CIE LCh color 93, 38.462, 169.823 looks on a white background.

Color Contrast Check

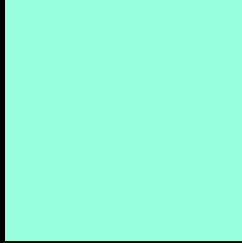
Large Text (above 18pt) WCAG AA × Fail

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, 38.462, 169.823 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

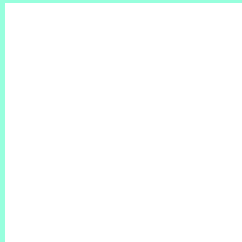
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 38.462, 169.823

Background



This preview shows how black text looks on a background with the CIELCh color 93, 38.462, 169.823.

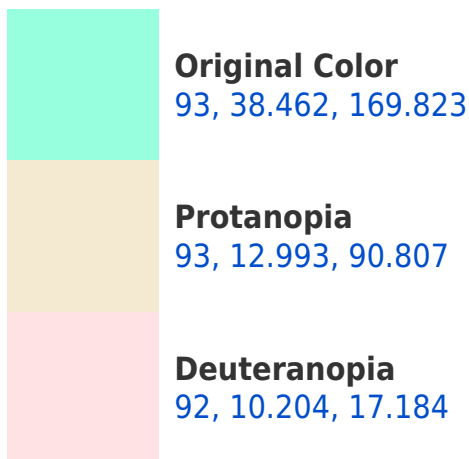


This preview shows how white text looks on a background with the CIELCh color 93, 38.462, 169.823.

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



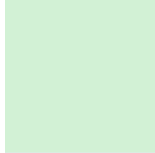


Tritanopia
93, 16.819, 222.181

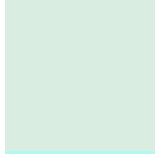
Trichromacy



Original Color
93, 38.462, 169.823



Protanomaly
92, 18.319, 146.378



Deuteranomaly
92, 9.480, 158.028

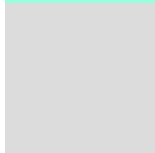


Tritanomaly
93, 22.782, 191.411

Monochromacy



Original Color
93, 38.462, 169.823



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 15.010, 171.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 38.462, 169.823 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(151, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 221)  
}
```

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(151, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 38.462, 169.823 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(151, 255, 221) }
```

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

```
.border{ border-color:rgb(151, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 38.462, 169.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 221) }
```

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

```
.background{ background-color: rgb(151,  
255, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor