

Converting Colors

CIELCh(100, 63.436, 149.685)

Have a look what the booklet for
CIELCh(100, 63.436, 149.685)
contains.

CIELCh(93, 48.873, 153.462)	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, 48.873, 153.462)

Conversions

Conversions Part 1

Format	Color
Hex	99FFBF
RGB	153, 255, 191
RGB Percent	60%, 100%, 75%
CMY	0.3987, 0.0000, 0.2499
CMYK	0.40, 0.00, 0.25, 0.00
HSL	142°, 100%, 80%
HSV	142°, 40%, 100%
XYZ	58.8268, 82.9670, 62.3648
YIQ	217.2060, -40.2480, -41.5280

Conversions

Conversions Part 2

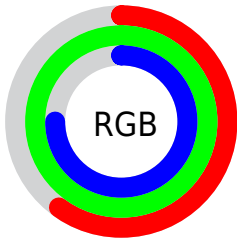
Format	Color
RYB	153, 227, 255
Decimal	10092479
CIELab	93.00, -43.72, 21.84
CIELCh	93, 48.873, 153.462
Yxy	82.9670, 0.2881, 0.4064
Android (android.graphics.Color)	4288282559 (0xFF99FFBF)
YUV	217.2060, -12.9196, -56.3087
Hunter-Lab	91.0862, -44.1192, 23.1657

Details

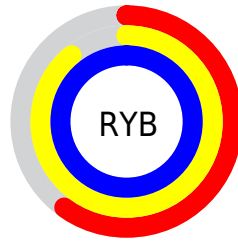
The CIELCh color **93, 48.873, 153.462** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **76, 49.123, 340.776**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.377, 184.954**, and **73, 48.694, 153.531** is the 20% darker color. If you saturate the color by 10%, you get **91, 59.364, 152.422**, and if you desaturate by 10%, it is **94, 36.318, 154.835**.

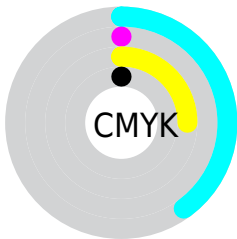
Distribution



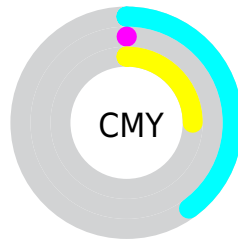
- Red (60%)
- Green (100%)
- Blue (75%)



- Red (60%)
- Yellow (89%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 48.873, 153.462 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, 48.873, 153.462 by changing the saturation by 10% instead.


 93, 48.873,
153.462


 93, 48.873,
153.462

 100, 48.873,
153.462


 83, 48.873,
153.462

 73, 48.873,
153.462

 63, 48.873,
153.462

 53, 48.873,
153.462

 43, 48.873,
153.462

 33, 48.873,
153.462

 23, 48.873,

153.462

■ 13, 48.873,
153.462

■ 3, 48.873, 153.462

■ 93, 48.873,
153.462

■ 93, 48.873,
153.462

■ 91, 59.364,
152.422

■ 94, 36.318,
154.835

■ 90, 69.876,
150.947

■ 96, 24.225,
155.820

■ 89, 79.431,
149.268

■ 98, 12.013,
156.697

■ 89, 87.866,
147.387

■ 100, 0.012,
296.813

■ 88, 95.099,
145.330

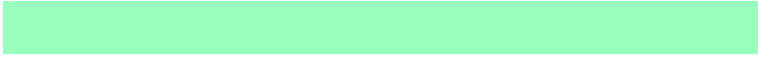
■ 88, 101.196,
143.196

■ 88, 101.269,
143.171

Harmonies

Complementary

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



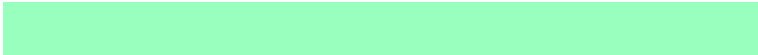
93, 48.873, 153.462



76, 49.123, 340.776

Rectangle

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



93, 48.873, 153.462



93, 48.873, 203.462



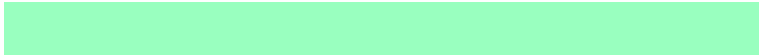
93, 48.873, 333.462



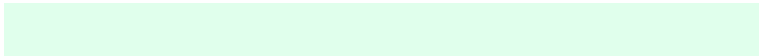
93, 48.873, 23.462

Sweetspot

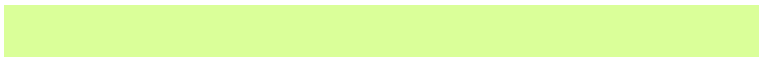
The Sweet Spot groups the original color and five complimentary colors.



93, 48.103, 153.711



97, 14.611, 156.517



95, 52.741, 122.166



52, 9.695, 156.405



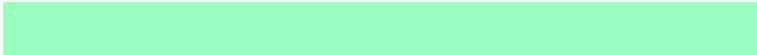
0, 0.000, 0.000



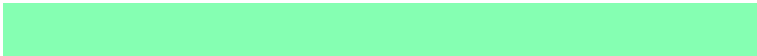
53, 0.007, 296.813

Same Dimension

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



93, 48.103, 153.711



92, 57.304, 152.677



94, 32.912, 185.014



52, 6.916, 156.728



68, 80.839, 143.570



23, 34.766, 146.651

Inverse Universe

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



76, 49.123, 340.776



71, 58.491, 341.644



74, 40.605, 13.326



50, 6.967, 338.080



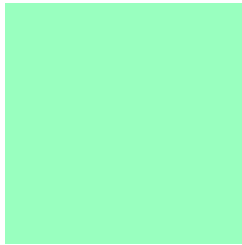
42, 71.252, 350.713



11, 33.596, 347.097

Previews

White Background



This preview shows how the CIE LCh color 93, 48.873, 153.462 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, 48.873, 153.462 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, 48.873, 153.462

Background



This preview shows how black text looks on a background with the CIELCh color 93, 48.873, 153.462.

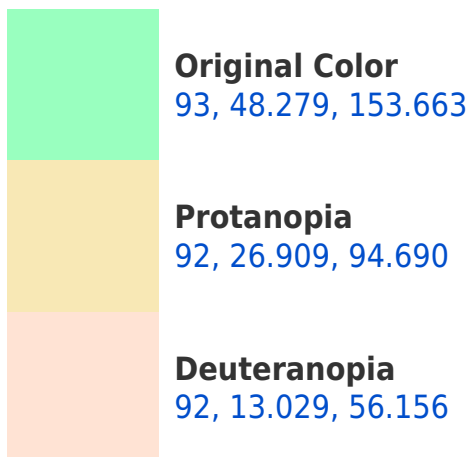


This preview shows how white text looks on a background with the CIELCh color 93, 48.873, 153.462.

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



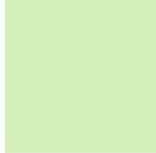


Tritanopia
92, 16.994, 223.874

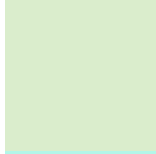
Trichromacy



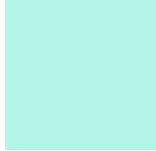
Original Color
93, 48.279, 153.663



Protanomaly
92, 29.836, 127.032

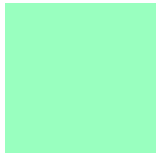


Deuteranomaly
92, 18.409, 131.073

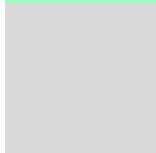


Tritanomaly
92, 23.688, 180.018

Monochromacy



Original Color
93, 48.279, 153.663



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 17.948, 156.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 48.873, 153.462 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(153, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 191)  
}
```

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(153, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 48.873, 153.462 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(153, 255, 191) }
```

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

```
.border{ border-color:rgb(153, 255, 191) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 48.873, 153.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 191) }
```

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

```
.background{ background-color: rgb(153,  
255, 191) }
```

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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