

# Converting Colors

CIELCh(93, 47.016, 149.404)

Have a look what the booklet for  
CIELCh(93, 47.016, 149.404)  
contains.

<b>CIELCh(93, 47.243, 149.217)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIElCh(93, 47.243, 149.217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5FFBB
RGB	165, 255, 187
RGB Percent	65%, 100%, 73%
CMY	0.3536, 0.0007, 0.2673
CMYK	0.35, 0.00, 0.27, 0.00
HSL	135°, 100%, 82%
HSV	135°, 35%, 100%
XYZ	60.1355, 82.9670, 59.7634
YIQ	220.3380, -31.8120, -40.2280

# Conversions

## Conversions Part 2

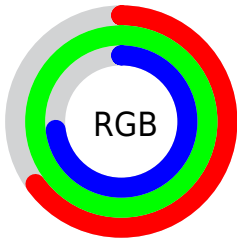
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 237, 255
Decimal	10878907
CIELab	93.00, -40.59, 24.18
CIELCh	93, 47.243, 149.217
Yxy	82.9670, 0.2964, 0.4090
Android (android.graphics.Color)	4289068987 (0xFFA5FFBB)
YUV	220.3380, -16.4356, -48.5314
Hunter-Lab	91.0862, -41.5546, 24.8591

# Details

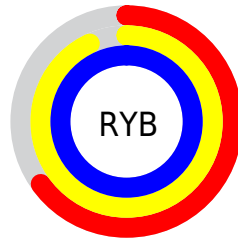
The CIELCh color **93, 47.243, 149.217** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **78, 47.556, 334.582**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.030, 170.541**, and **73, 47.678, 149.096** is the 20% darker color. If you saturate the color by 10%, you get **92, 60.064, 148.073**, and if you desaturate by 10%, it is **95, 33.990, 150.207**.

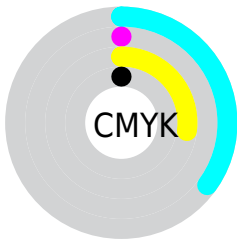
# Distribution



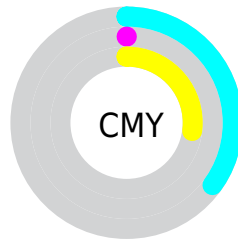
- Red (65%)
- Green (100%)
- Blue (73%)



- Red (65%)
- Yellow (93%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 47.243, 149.217 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, 47.243, 149.217 by changing the saturation by 10% instead.





 93, 47.243,  
149.217


 93, 47.243,  
149.217


 100, 47.243,  
149.217

 83, 47.243,  
149.217

 73, 47.243,  
149.217

 63, 47.243,  
149.217

 53, 47.243,  
149.217

 43, 47.243,  
149.217

 33, 47.243,  
149.217

 23, 47.243,

149.217

■ 13, 47.243,  
149.217

■ 3, 47.243, 149.217

■ 93, 47.243,  
149.217

■ 93, 47.243,  
149.217

■ 92, 60.064,  
148.073

■ 95, 33.990,  
150.207

■ 90, 72.178,  
146.758

■ 97, 20.539,  
151.065

■ 89, 83.300,  
145.265

■ 99, 7.088, 151.837

■ 89, 93.160,  
143.608

100, 0.119,  
321.831

■ 88, 101.526,  
141.830

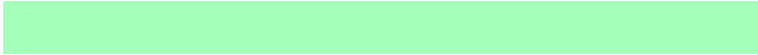
■ 88, 108.234,  
140.020

■ 88, 110.833,  
139.230

# Harmonies

# Complementary

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



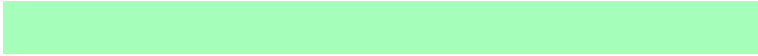
93, 47.243, 149.217



78, 47.556, 334.582

# Rectangle

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



93, 47.243, 149.217



93, 47.243, 199.217



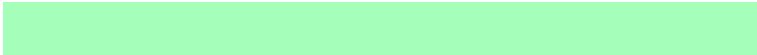
93, 47.243, 329.217



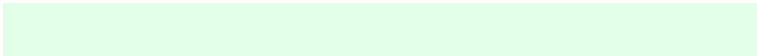
93, 47.243, 19.217

# Sweetspot

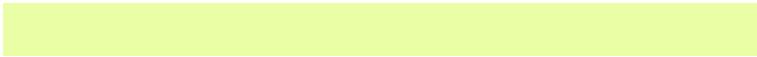
The Sweet Spot groups the original color and five complimentary colors.



93, 47.245, 149.217



98, 14.731, 151.403



97, 45.759, 116.970



52, 9.904, 151.299



0, 0.000, 0.000



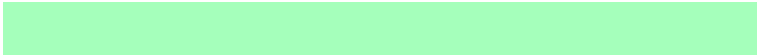
53, 0.007, 296.813



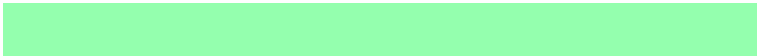


# Same Dimension

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



93, 47.245, 149.217



92, 55.908, 148.470



94, 32.213, 174.745



52, 7.607, 151.517



68, 88.642, 139.552



23, 38.336, 142.224



# Inverse Universe

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



78, 47.556, 334.582



75, 56.197, 335.100



77, 36.340, 2.521



50, 7.637, 332.724



43, 77.147, 341.030

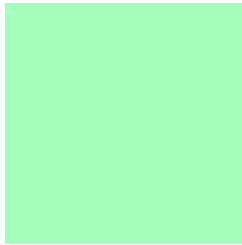


11, 36.250, 339.123



# Previews

## White Background



This preview shows how the CIE LCh color 93, 47.243, 149.217 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, 47.243, 149.217 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, 47.243, 149.217**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 93, 47.243, 149.217.

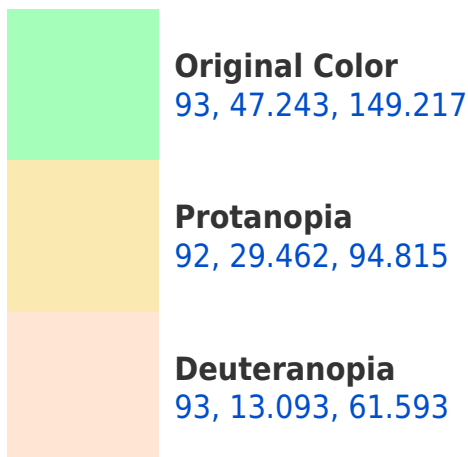


This preview shows how white text looks on a background with the CIELCh color 93, 47.243, 149.217.

# 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





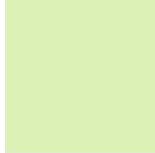


**Tritanopia**  
93, 15.086, 227.449

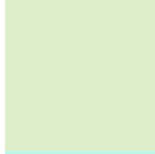
# Trichromacy



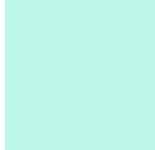
**Original Color**  
93, 47.243, 149.217



**Protanomaly**  
92, 31.758, 122.964



**Deuteranomaly**  
92, 18.960, 126.874

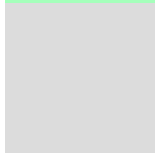


**Tritanomaly**  
93, 21.814, 175.682

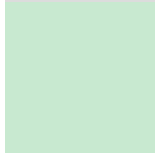
# Monochromacy



**Original Color**  
93, 47.243, 149.217



**Achromatopsia**  
88, 0.010, 296.813



**Achromatomaly**  
89, 17.681, 151.087

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 47.243, 149.217 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(165, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 187)  
}
```

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(165, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 47.243, 149.217 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(165, 255, 187) }
```

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

```
.border{ border-color:rgb(165, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 47.243, 149.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 187) }
```

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

```
.background{ background-color: rgb(165,  
255, 187) }
```

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