

# Converting Colors

CIELCh(92, 63.114, 140.998)

Have a look what the booklet for  
CIELCh(92, 63.114, 140.998)  
contains.

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**Color**

**CIELCh(92, 63.047, 140.938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFF99
RGB	155, 255, 153
RGB Percent	61%, 100%, 60%
CMY	0.3926, 0.0004, 0.4004
CMYK	0.39, 0.00, 0.40, 0.00
HSL	119°, 100%, 80%
HSV	119°, 40%, 100%
XYZ	54.9632, 80.7044, 42.7740
YIQ	213.4720, -26.8580, -52.9220

# Conversions

## Conversions Part 2

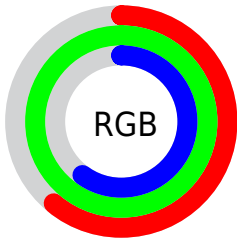
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 255, 253</a>
Decimal	<a href="#">10223513</a>
CIELab	<a href="#">92.00, -48.95, 39.73</a>
CIElCh	<a href="#">92, 63.047, 140.938</a>
Yxy	<a href="#">80.7044, 0.3080, 0.4523</a>
Android (android.graphics.Color)	<a href="#">4288413593 (0xFF9BFF99)</a>
YUV	<a href="#">213.4720, -29.8127, -51.2799</a>
Hunter-Lab	<a href="#">89.8356, -48.0026, 34.6548</a>

# Details

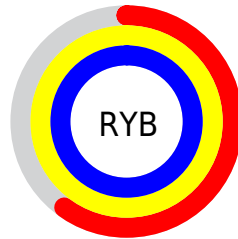
The CIELCh color **92, 63.047, 140.938** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **77, 63.007, 326.022**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 28.442, 140.519**, and **72, 63.461, 140.823** is the 20% darker color. If you saturate the color by 10%, you get **91, 77.681, 139.913**, and if you desaturate by 10%, it is **94, 47.611, 141.859**.

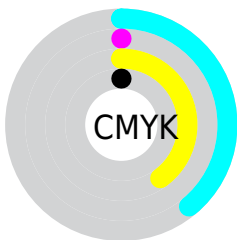
# Distribution



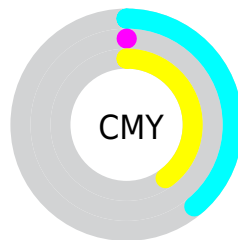
- Red (61%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 63.047, 140.938 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 92, 63.047, 140.938 by changing the saturation by 10% instead.





 92, 63.047,  
140.938


 92, 63.047,  
140.938


 100, 63.047,  
140.938


 82, 63.047,  
140.938


 72, 63.047,  
140.938

 62, 63.047,  
140.938


 52, 63.047,  
140.938

 42, 63.047,  
140.938


 32, 63.047,  
140.938


 22, 63.047,


140.938


 12, 63.047,  
140.938


 2, 63.047, 140.938


 92, 63.047,  
140.938


 92, 63.047,  
140.938


 91, 77.681,  
139.913


 94, 47.611,  
141.859

 90, 91.009,  
138.824

 95, 31.769,  
142.663

 89, 102.426,  
137.759

 98, 15.827,  
143.359

 88, 111.269,  
136.850

100, 0.012,  
169.142

■ 88, 116.980,  
136.244

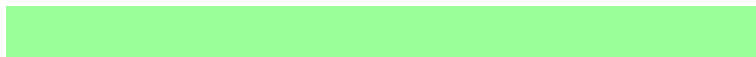
100, 0.075,  
320.331

■ 88, 119.652,  
135.962

# Harmonies

# Complementary

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



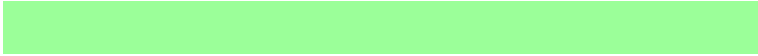
92, 63.047, 140.938



77, 63.007, 326.022

# Rectangle

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



92, 63.047, 140.938



92, 63.047, 190.938



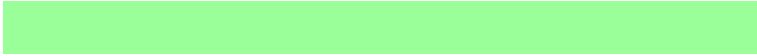
92, 63.047, 320.938



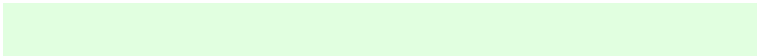
92, 63.047, 10.938

# Sweetspot

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



92, 63.048, 140.938



97, 18.996, 143.228



97, 49.199, 104.802



52, 12.609, 143.140



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

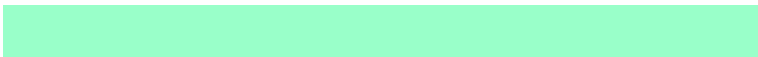
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 63.048, 140.938



91, 74.847, 140.126



93, 44.728, 157.963



52, 8.986, 143.392



68, 96.372, 135.939



22, 43.664, 136.507



# Inverse Universe

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



77, 63.007, 326.022



73, 74.621, 326.388



75, 46.522, 345.759



50, 9.002, 324.415



45, 93.162, 327.461

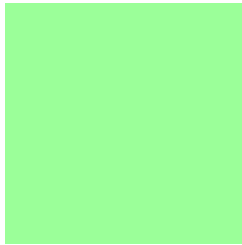


12, 42.854, 327.553



# Previews

## White Background



This preview shows how the CIE LCh color 92, 63.047, 140.938 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 92, 63.047, 140.938 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

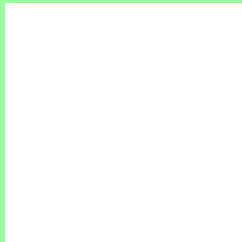
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 92, 63.047, 140.938**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 92, 63.047, 140.938.

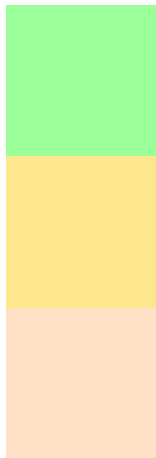


This preview shows how white text looks on a background with the CIELCh color 92, 63.047, 140.938.

# 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



### Original Color

92, 63.047, 140.938


### Protanopia

92, 45.551, 95.697

### Deuteranopia

92, 18.261, 71.687



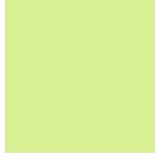


**Tritanopia**  
92, 17.719, 224.626

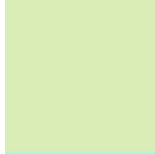
# Trichromacy



**Original Color**  
92, 63.047, 140.938



**Protanomaly**  
91, 47.778, 117.355



**Deuteranomaly**  
91, 29.003, 121.527

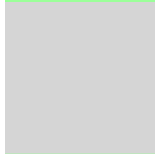


**Tritanomaly**  
92, 27.357, 166.893

# Monochromacy



**Original Color**  
92, 63.047, 140.938



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
87, 23.448, 142.754

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 63.047, 140.938 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(155, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 153)  
}
```

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(155, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 63.047, 140.938 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(155, 255, 153) }
```

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

```
.border{ border-color:rgb(155, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 63.047, 140.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 153) }
```

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

```
.background{ background-color: rgb(155,  
255, 153) }
```

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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