

Converting Colors

CIELCh(100, 83.364, 149.695)

Have a look what the booklet for
CIELCh(100, 83.364, 149.695)
contains.

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Color

CIELCh(90, 66.562, 153.967)

Conversions

Conversions Part 1

Format	Color
Hex	63FEA8
RGB	99, 254, 168
RGB Percent	39%, 100%, 66%
CMY	0.6126, 0.0042, 0.3411
CMYK	0.61, 0.00, 0.34, 0.00
HSL	147°, 99%, 69%
HSV	147°, 61%, 100%
XYZ	47.6089, 76.3034, 49.2697
YIQ	197.8510, -64.7740, -59.6060

Conversions

Conversions Part 2

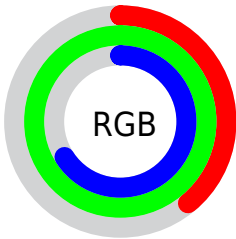
Format	Color
R _Y B	99, 206, 254
Decimal	6553256
CIE Lab	90.00, -59.81, 29.21
CIE LCh	90, 66.562, 153.967
Yxy	76.3034, 0.2749, 0.4406
Android (android.graphics.Color)	4284743336 (0xFF63FEA8)
YUV	197.8510, -14.7165, -86.6923
Hunter-Lab	87.3518, -55.5787, 27.7045

Details

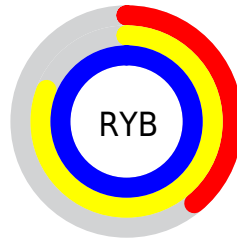
The CIELCh color **90, 66.562, 153.967** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65, 68.746, 347.557**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 34.889, 169.928**, and **70, 66.579, 153.851** is the 20% darker color. If you saturate the color by 10%, you get **89, 75.281, 152.228**, and if you desaturate by 10%, it is **91, 56.912, 155.498**.

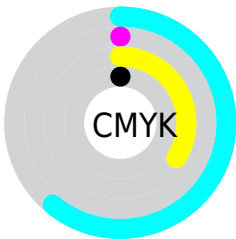
Distribution



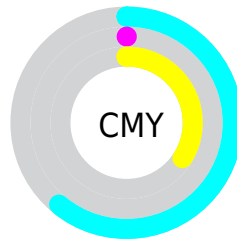
- Red (39%)
- Green (100%)
- Blue (66%)



- Red (39%)
- Yellow (81%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 66.562, 153.967 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 90, 66.562, 153.967 by changing the saturation by 10% instead.


 90, 66.562,
153.967


 90, 66.562,
153.967


 100, 66.562,
153.967


 80, 66.562,
153.967

 70, 66.562,
153.967

 60, 66.562,
153.967

 50, 66.562,
153.967

 40, 66.562,
153.967

 30, 66.562,
153.967

 20, 66.562,

153.967

■ 10, 66.562,
153.967

■ 0, 66.562, 153.967

■ 90, 66.562,
153.967

■ 90, 66.562,
153.967

■ 89, 75.281,
152.228

■ 91, 56.912,
155.498

■ 89, 82.948,
150.275

■ 92, 46.506,
156.840

■ 88, 89.528,
148.125

■ 94, 35.547,
158.019

■ 88, 94.591,
146.124

■ 95, 24.234,
159.060

■ 97, 12.749,
159.994

■ 99, 1.247, 161.148

100, 0.675,
324.007

Harmonies

Complementary

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



90, 66.562, 153.967



65, 68.746, 347.557

Rectangle

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



90, 66.562, 153.967



90, 66.562, 203.967



90, 66.562, 333.967



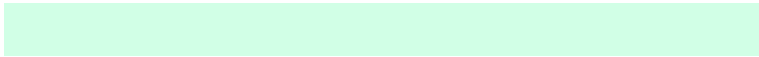
90, 66.562, 23.967

Sweetspot

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



90, 66.563, 153.967



96, 20.761, 159.358



93, 79.129, 123.954



51, 14.419, 159.077



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 66.563, 153.967



89, 77.084, 151.869



92, 43.566, 189.585



52, 6.553, 160.136



68, 75.749, 146.541



23, 32.600, 149.735

Inverse Universe

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



65, 68.746, 347.557



60, 78.055, 349.816



63, 65.061, 23.297



50, 6.620, 341.582



41, 69.129, 357.087



11, 32.477, 352.338

Previews

White Background



This preview shows how the CIE LCh color 90, 66.562, 153.967 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 90, 66.562, 153.967 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 90, 66.562, 153.967

Background



This preview shows how black text looks on a background with the CIELCh color 90, 66.562, 153.967.

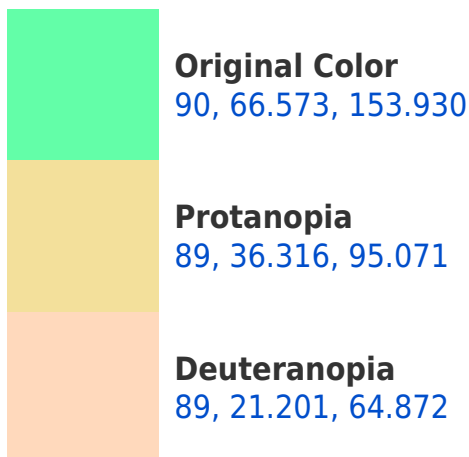


This preview shows how white text looks on a background with the CIELCh color 90, 66.562, 153.967.

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
90, 27.128, 215.867

Trichromacy



Original Color
90, 66.573, 153.930



Protanomaly
88, 41.974, 130.567



Deuteranomaly
88, 28.104, 133.275

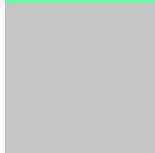


Tritanomaly
89, 36.792, 179.648

Monochromacy



Original Color
90, 66.573, 153.930



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 26.030, 158.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 66.562, 153.967 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(99, 254, 168)` looks like.

```
.text, #text, p{  
    color:rgb(99, 254, 168)  
}
```

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(99, 254, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 254, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 66.562, 153.967 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(99, 254, 168) }
```

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

```
.border{ border-color:rgb(99, 254, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 254, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 254, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 254, 168);  
box-shadow:4px 4px 4px 4px rgb(99, 254,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 66.562, 153.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 254, 168) }
```

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

```
.background{ background-color: rgb(99, 254,  
168) }
```

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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