

# Converting Colors

CIELCh(100, 7.781, 144.890)

Have a look what the booklet for  
CIELCh(100, 7.781, 144.890)  
contains.

<b>CIELCh(99, 5.583, 144.297)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(99, 5.583, 144.297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFF6
RGB	246, 255, 246
RGB Percent	96%, 100%, 96%
CMY	0.0368, 0.0015, 0.0368
CMYK	0.04, 0.00, 0.04, 0.00
HSL	120°, 92%, 98%
HSV	120°, 4%, 100%
XYZ	90.0921, 97.4360, 100.9467
YIQ	251.2830, -2.4750, -4.7070

# Conversions

## Conversions Part 2

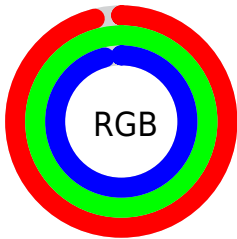
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 255, 255
Decimal	16187382
CIE Lab	99.00, -4.53, 3.26
CIE LCh	99, 5.583, 144.297
Yxy	97.4360, 0.3123, 0.3378
Android (android.graphics.Color)	4294377462 (0xFFFF6FFF6)
YUV	251.2830, -2.6045, -4.6332
Hunter-Lab	98.7097, -9.8254, 8.4631

# Details

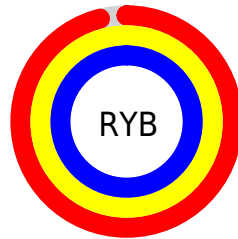
The CIELCh color 99, 5.583, 144.297 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 5.606, 324.583, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 5.208, 144.265 is the 20% darker color. If you saturate the color by 10%, you get 97, 21.556, 143.622, and if you desaturate by 10%, it is 100, 0.240, 323.160.

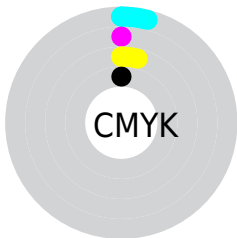
# Distribution



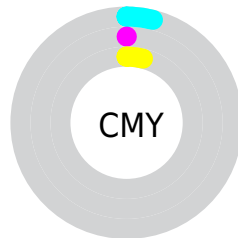
- Red (96%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.583, 144.297 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 99, 5.583, 144.297 by changing the saturation by 10% instead.



 99, 5.583, 144.297

 99, 5.583, 144.297

 100, 5.583,  
144.297

 89, 5.583, 144.297

 79, 5.583, 144.297

 69, 5.583, 144.297

 59, 5.583, 144.297

 49, 5.583, 144.297

 39, 5.583, 144.297

 29, 5.583, 144.297

 19, 5.583, 144.297

 9, 5.583, 144.297

99, 5.583, 144.297

99, 5.583, 144.297

97, 21.556,  
143.622

100, 0.240,  
323.160

95, 37.579,  
142.869

93, 53.393,  
141.995

91, 68.650,  
140.998

90, 82.903,  
139.896

89, 95.608,  
138.745

88, 106.126,  
137.649

88, 113.811,  
136.754

■ 88, 118.238,  
136.199

# Harmonies

# Complementary

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



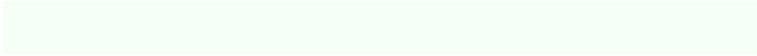
99, 5.583, 144.297



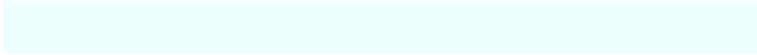
98, 5.606, 324.583

# Rectangle

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



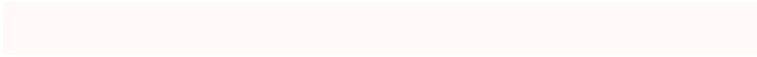
99, 5.583, 144.297



99, 5.583, 194.297



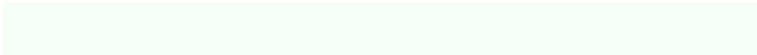
99, 5.583, 324.297



99, 5.583, 14.297

# Sweetspot

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



99, 5.586, 144.298



100, 1.571, 144.584



100, 4.555, 109.820



53, 0.893, 144.597



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



99, 5.586, 144.298



99, 6.331, 144.264



99, 3.905, 163.485



53, 4.503, 144.212



68, 96.474, 136.016



22, 43.825, 136.777



# Inverse Universe

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



98, 5.606, 324.583



97, 6.352, 324.615



98, 3.937, 343.818



52, 4.516, 324.664



45, 93.081, 328.233



12, 42.822, 328.233



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.583, 144.297 looks on a white background.

## Color Contrast Check

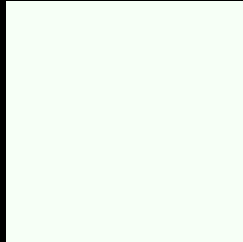
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 99, 5.583, 144.297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

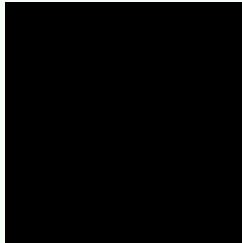
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 5.583, 144.297**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 5.583, 144.297.

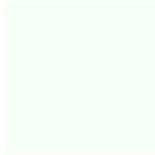


This preview shows how white text looks on a background with the CIELCh color 99, 5.583, 144.297.

# 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**  
99, 5.583, 144.297



**Protanopia**  
99, 2.059, 66.765

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 5.583, 144.297

**Protanomaly**

99, 2.530, 109.957

**Deuteranomaly**

99, 1.005, 110.026

**Tritanomaly**

99, 1.164, 174.061

# Monochromacy



**Original Color**

99, 5.583, 144.297

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.855, 144.541

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.583, 144.297 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(246, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 246)  
}
```

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(246, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 246) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.583, 144.297 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(246, 255, 246) }
```

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

```
.border{ border-color:rgb(246, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.583, 144.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 246) }
```

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

```
.background{ background-color: rgb(246,  
255, 246) }
```

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