

# Converting Colors

CIELCh(100, 11.424, 145.522)

Have a look what the booklet for  
CIELCh(100, 11.424, 145.522)  
contains.

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# **Color**

**CIELCh(99, 8.287, 146.139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFF3
RGB	242, 255, 243
RGB Percent	95%, 100%, 95%
CMY	0.0513, 0.0000, 0.0474
CMYK	0.05, 0.00, 0.05, 0.00
HSL	125°, 100%, 97%
HSV	125°, 5%, 100%
XYZ	88.8063, 97.4360, 98.8507
YIQ	249.7450, -3.8960, -6.4880

# Conversions

## Conversions Part 2

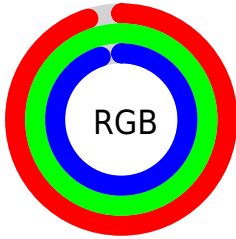
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 254, 255
Decimal	15925235
CIE <sub>Lab</sub>	99.00, -6.88, 4.62
CIE <sub>LCh</sub>	99, 8.287, 146.139
Yxy	97.4360, 0.3115, 0.3418
Android (android.graphics.Color)	4294115315 (0xFFFF2FFF3)
YUV	249.7450, -3.3253, -6.7924
Hunter-Lab	98.7097, -12.1506, 9.7221

# Details

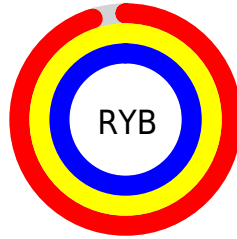
The CIELCh color **99, 8.287, 146.139** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97, 7.739, 326.821**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 7.392, 146.454** is the 20% darker color. If you saturate the color by 10%, you get **97, 22.909, 145.614**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

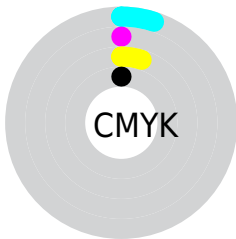
# Distribution



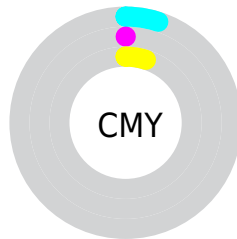
- Red (95%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 8.287, 146.139 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, 8.287, 146.139 by changing the saturation by 10% instead.



 99, 8.287, 146.139

 99, 8.287, 146.139

 100, 8.287,  
146.139

 89, 8.287, 146.139

 79, 8.287, 146.139

 69, 8.287, 146.139

 59, 8.287, 146.139

 49, 8.287, 146.139

 39, 8.287, 146.139

 29, 8.287, 146.139

 19, 8.287, 146.139

 9, 8.287, 146.139

99, 8.287, 146.139

99, 8.287, 146.139

97, 22.909,  
145.614

100, 0.012,  
296.813

95, 38.123,  
144.823

93, 53.116,  
143.906


91, 67.575,  
142.850

90, 81.117,  
141.662

89, 93.298,  
140.373

89, 103.626,  
139.055

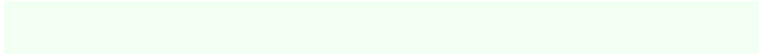
88, 111.605,  
137.823

 88, 116.844,  
136.820

# Harmonies

# Complementary

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



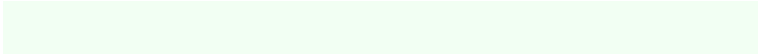
99, 8.287, 146.139



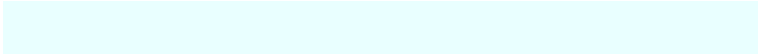
97, 7.739, 326.821

# Rectangle

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



99, 8.287, 146.139



99, 8.287, 196.139



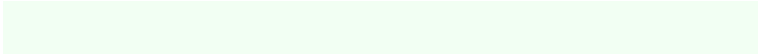
99, 8.287, 326.139



99, 8.287, 16.139

# Sweetspot

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



99, 7.717, 146.310



100, 2.994, 146.566



100, 6.635, 112.352



53, 1.701, 146.577



0, 0.000, 0.000



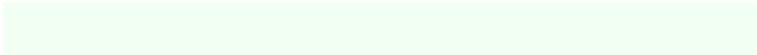
53, 0.007, 296.813





# Same Dimension

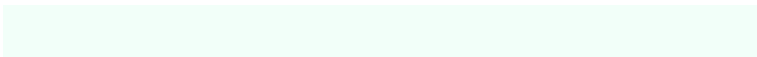
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 7.717, 146.310



99, 9.030, 146.250



99, 5.423, 167.056



52, 5.993, 146.205



68, 95.044, 136.630



22, 42.150, 138.249



# Inverse Universe

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



97, 7.739, 326.821



96, 9.052, 326.877



97, 5.483, 347.763



51, 6.007, 326.918



45, 87.651, 331.538

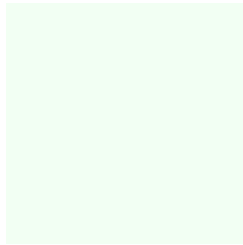


12, 40.617, 331.111



# Previews

## White Background



This preview shows how the CIE LCh color 99, 8.287, 146.139 looks on a white background.

## Color Contrast Check

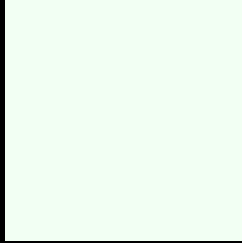
Large Text (above 18pt) WCAG AA × Fail

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, 8.287, 146.139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

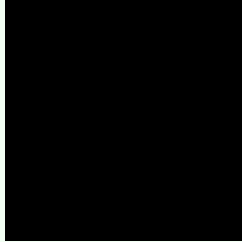
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

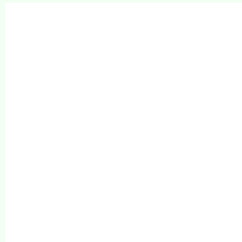
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 99, 8.287, 146.139**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 8.287, 146.139.

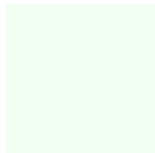


This preview shows how white text looks on a background with the CIELCh color 99, 8.287, 146.139.

# 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, 7.663, 146.326



### Protanopia

99, 2.888, 80.608

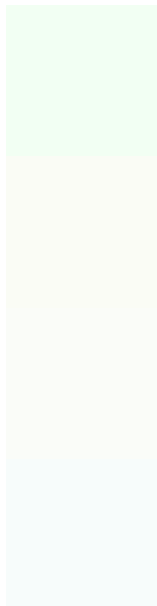
### Deuteranopia

99, 1.838, 3.095



**Tritanopia**  
99, 2.071, 280.717

# Trichromacy



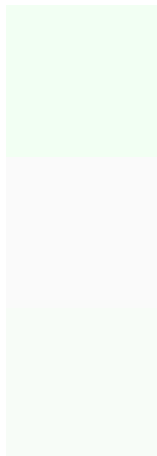
**Original Color**  
99, 7.663, 146.326

**Protanomaly**  
99, 3.625, 121.116

**Deuteranomaly**  
99, 2.149, 129.065

**Tritanomaly**  
99, 1.819, 183.407

# Monochromacy



**Original Color**  
99, 7.663, 146.326

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 3.100, 144.430

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 8.287, 146.139 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(242, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 243)  
}
```

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(242, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 243) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 8.287, 146.139 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(242, 255, 243) }
```

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

```
.border{ border-color:rgb(242, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
243) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 8.287, 146.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 243) }
```

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

```
.background{ background-color: rgb(242,  
255, 243) }
```

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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