

# Converting Colors

CIELCh(99, 6.005, 159.385)

Have a look what the booklet for  
CIELCh(99, 6.005, 159.385) contains.

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# **Color**

**CIELCh(99, 5.801, 161.309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFF8
RGB	242, 255, 248
RGB Percent	95%, 100%, 97%
CMY	0.0498, 0.0000, 0.0263
CMYK	0.05, 0.00, 0.03, 0.00
HSL	148°, 100%, 98%
HSV	148°, 5%, 100%
XYZ	89.5641, 97.4360, 103.1351
YIQ	250.3150, -5.5010, -4.9330

# Conversions

## Conversions Part 2

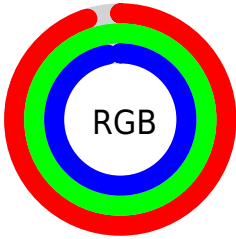
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 251, 255
Decimal	15925240
CIE Lab	99.00, -5.50, 1.86
CIE LCh	99, 5.801, 161.309
Yxy	97.4360, 0.3087, 0.3358
Android (android.graphics.Color)	4294115320 (0xFF2FF8)
YUV	250.3150, -1.1413, -7.2923
Hunter-Lab	98.7097, -10.7802, 7.1487

# Details

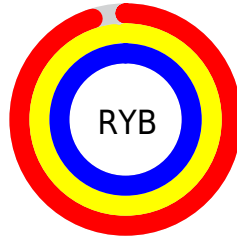
The CIELCh color 99, 5.801, 161.309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.669, 342.515, and the grayscale version is 98, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 5.465, 163.228 is the 20% darker color. If you saturate the color by 10%, you get 97, 16.946, 160.950, and if you desaturate by 10%, it is 100, 0.012, 296.813.

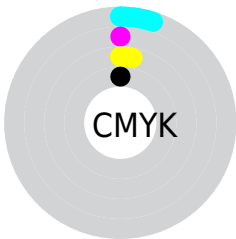
# Distribution



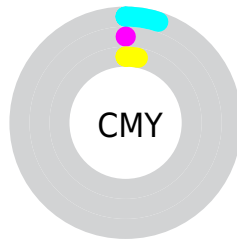
- Red (95%)
- Green (100%)
- Blue (97%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.801, 161.309 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, 5.801, 161.309 by changing the saturation by 10% instead.



 99, 5.801, 161.309

 99, 5.801, 161.309

 100, 5.801,  
161.309

 89, 5.801, 161.309

 79, 5.801, 161.309

 69, 5.801, 161.309


 59, 5.801, 161.309

 49, 5.801, 161.309

 39, 5.801, 161.309

 29, 5.801, 161.309

 19, 5.801, 161.309

 9, 5.801, 161.309

99, 5.801, 161.309

99, 5.801, 161.309

97, 16.946,  
160.950

100, 0.012,  
296.813

95, 28.179,  
159.963

94, 39.159,  
158.858


92, 49.699,  
157.608

91, 59.599,  
156.185

90, 68.672,  
154.567

89, 76.766,  
152.735

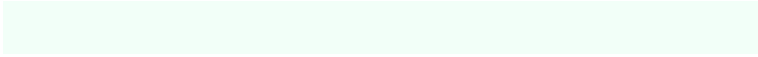
89, 83.802,  
150.688

 89, 89.797,  
148.454

# Harmonies

# Complementary

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



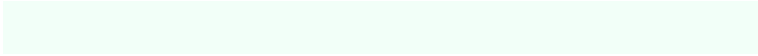
99, 5.801, 161.309



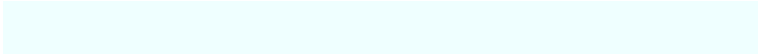
97, 5.669, 342.515

# Rectangle

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



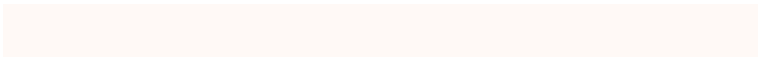
99, 5.801, 161.309



99, 5.801, 211.309



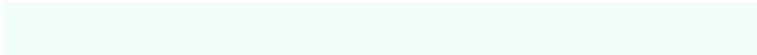
99, 5.801, 341.309



99, 5.801, 31.309

# Sweetspot

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



99, 5.623, 161.879



100, 1.121, 162.541



99, 6.792, 127.689



53, 0.637, 162.567



0, 0.000, 0.000



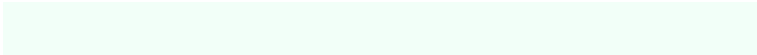
53, 0.007, 296.813





# Same Dimension

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



99, 5.623, 161.879



99, 6.777, 161.780



99, 4.393, 196.462



53, 4.496, 161.718



68, 73.841, 147.744



23, 31.807, 150.960



# Inverse Universe

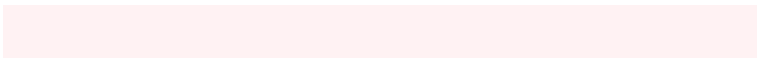
The Inverse Universe completely reimagines the original color for something new.



97, 5.669, 342.515



96, 6.835, 342.614



97, 4.526, 16.832



51, 4.537, 342.675



41, 68.621, 359.513

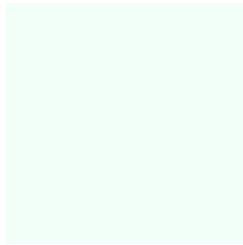


11, 32.156, 354.347



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.801, 161.309 looks on a white background.

## Color Contrast Check

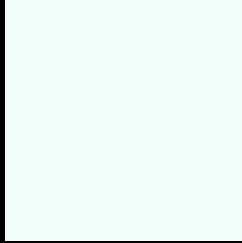
Large Text (above 18pt) WCAG AA × Fail

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, 5.801, 161.309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

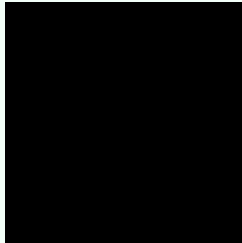
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 5.801, 161.309

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 5.801, 161.309.

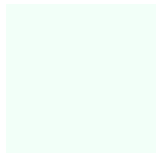


This preview shows how white text looks on a background with the CIELCh color 99, 5.801, 161.309.

# 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, 5.801, 161.309



### Protanopia

99, 2.059, 66.765

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 5.801, 161.309

**Protanomaly**

99, 2.149, 129.065

**Deuteranomaly**

99, 0.862, 164.145

**Tritanomaly**

99, 1.738, 199.673

# Monochromacy



**Original Color**

99, 5.801, 161.309

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

99, 2.330, 158.674

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.801, 161.309 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.801, 161.309 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, 248) }
```

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

```
.border{ border-color:rgb(242, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.801, 161.309 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, 248) }
```

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

```
.background{ background-color: rgb(242,  
255, 248) }
```

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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