

# Converting Colors

CIELCh(100, 6.913, 168.739)

Have a look what the booklet for  
CIELCh(100, 6.913, 168.739)  
contains.

<b>CIELCh(99, 4.777, 180.596)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(99, 4.777, 180.596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFC
RGB	242, 255, 252
RGB Percent	95%, 100%, 99%
CMY	0.0509, 0.0000, 0.0117
CMYK	0.05, 0.00, 0.01, 0.00
HSL	166°, 100%, 97%
HSV	166°, 5%, 100%
XYZ	89.9584, 97.4360, 106.1710
YIQ	250.7710, -6.7850, -3.6890

# Conversions

## Conversions Part 2

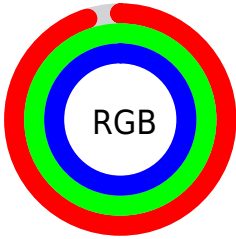
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 249, 255
Decimal	15925244
CIE Lab	99.00, -4.78, -0.05
CIE LCh	99, 4.777, 180.596
Yxy	97.4360, 0.3064, 0.3319
Android (android.graphics.Color)	4294115324 (0xFF2FFFC)
YUV	250.7710, 0.6059, -7.6922
Hunter-Lab	98.7097, -10.0672, 5.3251

# Details

The CIELCh color 99, 4.777, 180.596 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 4.865, 1.345, 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, 4.666, 179.076 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.979, 179.633, and if you desaturate by 10%, it is 100, 0.012, 296.813.

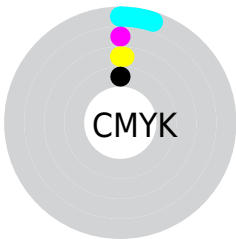
# Distribution



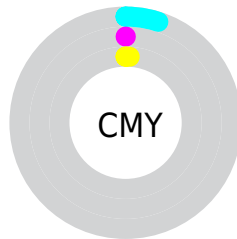
- Red (95%)
- Green (100%)
- Blue (99%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 4.777, 180.596 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, 4.777, 180.596 by changing the saturation by 10% instead.



 99, 4.777, 180.596

 99, 4.777, 180.596

 100, 4.777,  
180.596

 89, 4.777, 180.596

 79, 4.777, 180.596

 69, 4.777, 180.596

 59, 4.777, 180.596

 49, 4.777, 180.596

 39, 4.777, 180.596

 29, 4.777, 180.596

 19, 4.777, 180.596

 9, 4.777, 180.596

99, 4.777, 180.596

99, 4.777, 180.596

97, 13.979,  
179.633

100, 0.012,  
296.813

96, 22.853,  
178.616

94, 31.238,  
177.538

93, 38.974,  
176.374

92, 45.905,  
175.103

91, 51.896,  
173.700

90, 56.863,  
172.140

90, 60.791,  
170.401

■ 90, 63.759,  
168.476

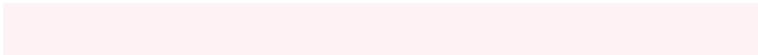
# Harmonies

# Complementary

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



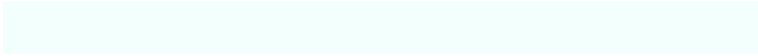
99, 4.777, 180.596



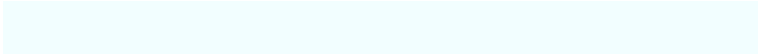
97, 4.865, 1.345

# Rectangle

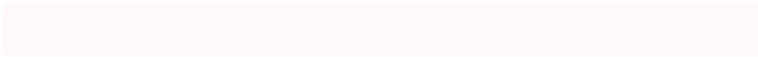
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



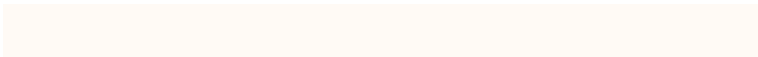
99, 4.777, 180.596



99, 4.777, 230.596



99, 4.777, 0.596



99, 4.777, 50.596

# Sweetspot

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



99, 4.770, 180.658



100, 1.875, 181.133



99, 7.503, 137.613



53, 1.066, 181.159



0, 0.000, 0.000



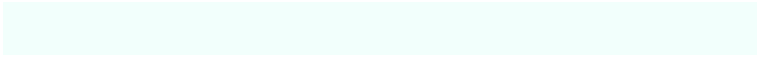
53, 0.007, 296.813





# Same Dimension

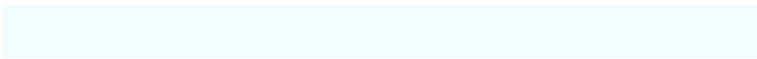
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 4.770, 180.658



99, 5.616, 180.555



98, 3.704, 227.905



53, 3.723, 180.485



69, 52.070, 167.868



23, 23.120, 170.563



# Inverse Universe

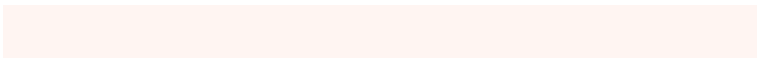
The Inverse Universe completely reimagines the original color for something new.



97, 4.865, 1.345



96, 5.745, 1.452



97, 3.806, 47.021



51, 3.816, 1.526



40, 73.517, 27.268

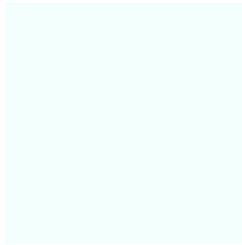


10, 31.810, 17.148



# Previews

## White Background



This preview shows how the CIELCh color 99, 4.777, 180.596 looks on a white background.

## Color Contrast Check

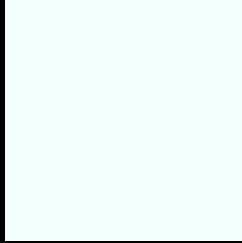
Large Text (above 18pt) WCAG AA × Fail

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 99, 4.777, 180.596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

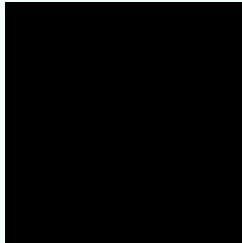
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 4.777, 180.596

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.777, 180.596.

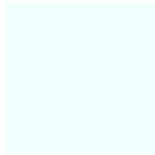


This preview shows how white text looks on a background with the CIELCh color 99, 4.777, 180.596.

# 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, 4.777, 180.596



**Protanopia**  
99, 1.487, 38.999

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 4.777, 180.596

**Protanomaly**

99, 0.862, 164.145

**Deuteranomaly**

99, 0.697, 200.304

**Tritanomaly**

99, 1.804, 216.069

# Monochromacy



**Original Color**

99, 4.777, 180.596

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.488, 179.768

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 4.777, 180.596 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.777, 180.596 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, 252) }
```

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

```
.border{ border-color:rgb(242, 255, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 255, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 255, 252); box-shadow:4px 4px 4px 4px rgb(242, 255, 252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.777, 180.596 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, 252) }
```

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

```
.background{ background-color: rgb(242,  
255, 252) }
```

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