

# Converting Colors

CIELCh(99, 5.578, 181.631)

Have a look what the booklet for  
CIELCh(99, 5.578, 181.631) contains.

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# Color

**CIELCh(99, 5.431, 182.838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFFC
RGB	240, 255, 252
RGB Percent	94%, 100%, 99%
CMY	0.0572, 0.0000, 0.0101
CMYK	0.06, 0.00, 0.01, 0.00
HSL	169°, 100%, 97%
HSV	169°, 6%, 100%
XYZ	89.6029, 97.4360, 106.5235
YIQ	250.1730, -7.9770, -4.1130

# Conversions

## Conversions Part 2

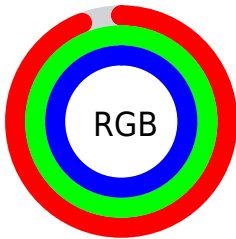
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 248, 255
Decimal	15794172
CIE <sub>Lab</sub>	99.00, -5.42, -0.27
CIE <sub>LCh</sub>	99, 5.431, 182.838
Yxy	97.4360, 0.3052, 0.3319
Android (android.graphics.Color)	4293984252 (0xFFFF0FFFC)
YUV	250.1730, 0.9007, -8.9217
Hunter-Lab	98.7097, -10.7101, 5.1134

# Details

The CIELCh color **99, 5.431, 182.838** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96, 5.365, 5.408**, 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, 5.345, 181.632** is the 20% darker color. If you saturate the color by 10%, you get **97, 14.166, 183.648**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

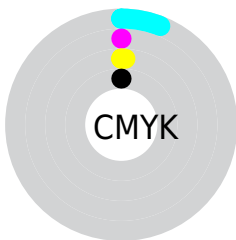
# Distribution



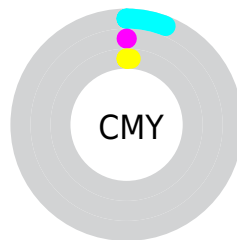
- Red (94%)
- Green (100%)
- Blue (99%)



- Red (94%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.431, 182.838 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, 5.431, 182.838 by changing the saturation by 10% instead.



 99, 5.431, 182.838

 99, 5.431, 182.838

 100, 5.431,  
182.838

 89, 5.431, 182.838

 79, 5.431, 182.838

 69, 5.431, 182.838

 59, 5.431, 182.838

 49, 5.431, 182.838

 39, 5.431, 182.838

 29, 5.431, 182.838

 19, 5.431, 182.838

 9, 5.431, 182.838

99, 5.431, 182.838

99, 5.431, 182.838

97, 14.166,  
183.648

100, 0.012,  
296.813

96, 22.701,  
182.689

94, 30.684,  
181.686


93, 37.957,  
180.620

92, 44.371,  
179.470

91, 49.802,  
178.215

91, 54.178,  
176.831

90, 57.497,  
175.296

 90, 59.850,  
173.598

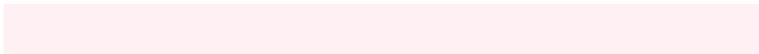
# Harmonies

# Complementary

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



99, 5.431, 182.838



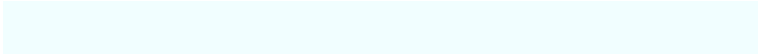
96, 5.365, 5.408

# Rectangle

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



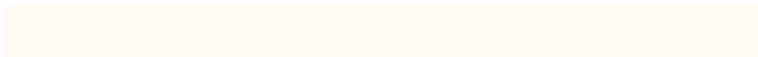
99, 5.431, 182.838



99, 5.431, 232.838



99, 5.431, 2.838



99, 5.431, 52.838

# Sweetspot

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



99, 5.233, 184.623



100, 1.835, 185.168



99, 8.560, 139.073



53, 1.043, 185.194



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

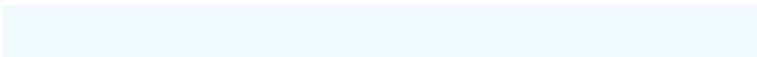
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 5.233, 184.623



99, 6.393, 184.488



98, 4.132, 234.223



53, 4.151, 184.427



69, 48.676, 173.173



23, 21.804, 175.514



# Inverse Universe

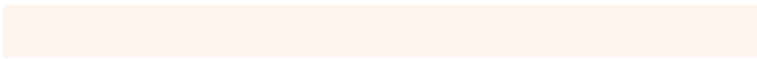
The Inverse Universe completely reimagines the original color for something new.



96, 5.365, 5.408



95, 6.588, 5.552



97, 4.248, 53.068



50, 4.288, 5.618



40, 76.086, 31.252

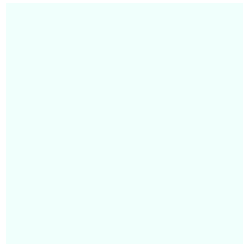


10, 32.119, 19.830



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.431, 182.838 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, 5.431, 182.838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

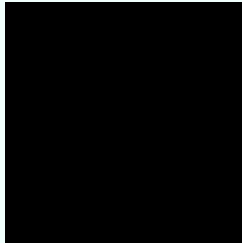
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 5.431, 182.838**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 5.431, 182.838.

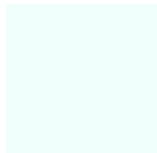


This preview shows how white text looks on a background with the CIELCh color 99, 5.431, 182.838.

# 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, 5.431, 182.838



### Protanopia

99, 1.487, 38.999

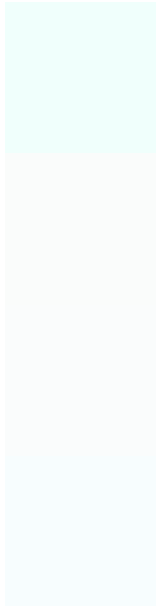
### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.677, 265.874

# Trichromacy



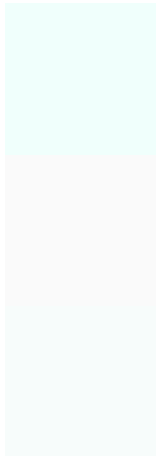
**Original Color**  
99, 5.431, 182.838

**Protanomaly**  
99, 0.862, 164.145

**Deuteranomaly**  
99, 0.697, 200.304

**Tritanomaly**  
99, 2.137, 213.378

# Monochromacy



**Original Color**  
99, 5.431, 182.838

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
99, 1.819, 183.407

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.431, 182.838 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(240, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.431, 182.838 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(240, 255, 252) }
```

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

```
.border{ border-color:rgb(240, 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(240, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.431, 182.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 252) }
```

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

```
.background{ background-color: rgb(240,  
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](#).

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