

# Converting Colors

CIE LCh(99, 5.012, 175.600)

Have a look what the booklet for  
CIELCh(99, 5.012, 175.600) contains.

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# **Color**

**CIELCh(99, 4.976, 175.075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFB
RGB	242, 255, 251
RGB Percent	95%, 100%, 98%
CMY	0.0506, 0.0000, 0.0154
CMYK	0.05, 0.00, 0.02, 0.00
HSL	162°, 100%, 97%
HSV	162°, 5%, 100%
XYZ	89.8590, 97.4360, 105.4070
YIQ	250.6570, -6.4640, -4.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	242, 250, 255
Decimal	15925243
CIE Lab	99.00, -4.96, 0.43
CIE LCh	99, 4.976, 175.075
Yxy	97.4360, 0.3070, 0.3329
Android (android.graphics.Color)	4294115323 (0xFF2FFFB)
YUV	250.6570, 0.1691, -7.5922
Hunter-Lab	98.7097, -10.2469, 5.7840

# Details

The CIELCh color 99, 4.976, 175.075 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.010, 356.107, 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, 14.562, 174.357, and if you desaturate by 10%, it is 100, 0.012, 296.813.

# Distribution



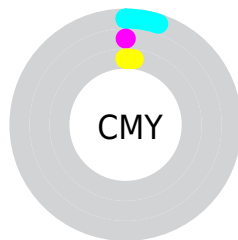
- Red (95%)
- Green (100%)
- Blue (98%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 4.976, 175.075 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, 4.976, 175.075 by changing the saturation by 10% instead.



 99, 4.976, 175.075

 99, 4.976, 175.075

 100, 4.976,  
175.075

 89, 4.976, 175.075

 79, 4.976, 175.075

 69, 4.976, 175.075

 59, 4.976, 175.075

 49, 4.976, 175.075

 39, 4.976, 175.075

 29, 4.976, 175.075

 19, 4.976, 175.075

 9, 4.976, 175.075

99, 4.976, 175.075

99, 4.976, 175.075

97, 14.562,  
174.357

100, 0.012,  
296.813

95, 23.929,  
173.302

94, 32.879,  
172.165

93, 41.246,  
170.920

92, 48.865,  
169.541

91, 55.592,  
168.003

90, 61.329,  
166.281

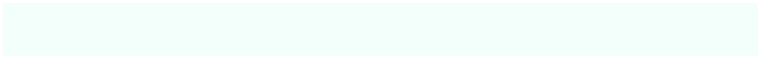
90, 66.049,  
164.356

 89, 69.822,  
162.229

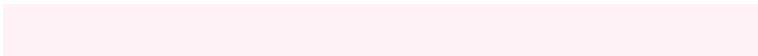
# Harmonies

# Complementary

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



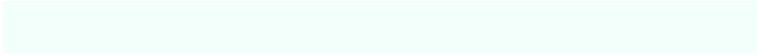
99, 4.976, 175.075



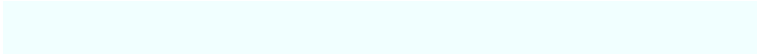
97, 5.010, 356.107

# Rectangle

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



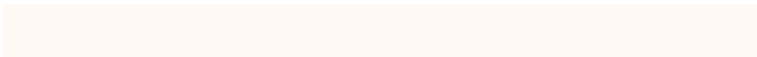
99, 4.976, 175.075



99, 4.976, 225.075



99, 4.976, 355.075



99, 4.976, 45.075

# Sweetspot

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



99, 4.930, 175.397



100, 1.946, 175.858



99, 7.286, 135.020



53, 1.106, 175.882



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, 4.930, 175.397



99, 5.838, 175.292



98, 3.814, 217.824



53, 3.871, 175.221



69, 57.168, 161.555

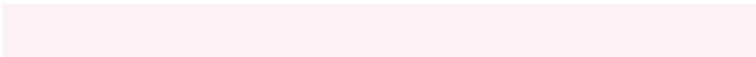


23, 25.110, 164.561

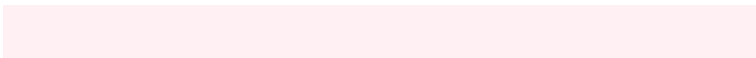


# Inverse Universe

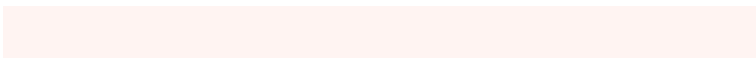
The Inverse Universe completely reimagines the original color for something new.



97, 5.010, 356.107



96, 5.946, 356.215



97, 3.933, 37.331



51, 3.949, 356.289



40, 70.580, 20.984

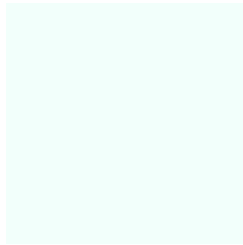


10, 31.448, 12.534



# Previews

## White Background



This preview shows how the CIELCh color 99, 4.976, 175.075 looks on a white background.

## Color Contrast Check

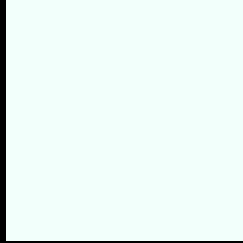
Large Text (above 18pt) WCAG AA × Fail

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, 4.976, 175.075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

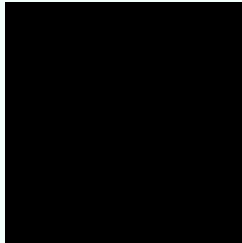
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 4.976, 175.075**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 4.976, 175.075.

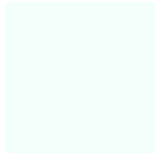


This preview shows how white text looks on a background with the CIELCh color 99, 4.976, 175.075.

# 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, 4.976, 175.075



### Protanopia

99, 1.487, 38.999

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy

A vertical color bar on the left side of the page, divided into four segments. The top segment is light green, the second is light blue, the third is light cyan, and the bottom is light grey. The text labels and values are positioned to the right of these segments.

**Original Color**

99, 4.976, 175.075

**Protanomaly**

99, 1.233, 144.647

**Deuteranomaly**

99, 0.697, 200.304

**Tritanomaly**

99, 1.804, 216.069

# Monochromacy

A vertical color bar on the left side of the page, divided into three segments. The top segment is light green, the middle is light blue, and the bottom is light grey. The text labels and values are positioned to the right of these segments.

**Original Color**

99, 4.976, 175.075

**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, 4.976, 175.075 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.976, 175.075 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, 251) }
```

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

```
.border{ border-color:rgb(242, 255, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.976, 175.075 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, 251) }
```

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

```
.background{ background-color: rgb(242,  
255, 251) }
```

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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