

# Converting Colors

CIELCh(100, 7.446, 174.922)

Have a look what the booklet for  
CIELCh(100, 7.446, 174.922)  
contains.

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# **Color**

**CIELCh(99, 5.295, 188.095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFFD
RGB	240, 255, 253
RGB Percent	94%, 100%, 99%
CMY	0.0575, 0.0000, 0.0065
CMYK	0.06, 0.00, 0.01, 0.00
HSL	173°, 100%, 97%
HSV	173°, 6%, 100%
XYZ	89.7027, 97.4360, 107.2926
YIQ	250.2870, -8.2980, -3.8020

# Conversions

## Conversions Part 2

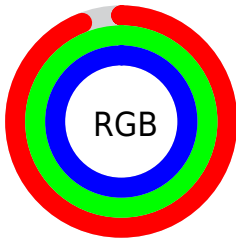
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 248, 255
Decimal	15794173
CIE Lab	99.00, -5.24, -0.75
CIE LCh	99, 5.295, 188.095
Yxy	97.4360, 0.3047, 0.3309
Android (android.graphics.Color)	4293984253 (0xFFFF0FFFD)
YUV	250.2870, 1.3375, -9.0217
Hunter-Lab	98.7097, -10.5295, 4.6514

# Details

The CIELCh color 99, 5.295, 188.095 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 5.297, 10.453, 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, 5.191, 187.218 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.824, 188.872, and if you desaturate by 10%, it is 100, 0.012, 296.813.

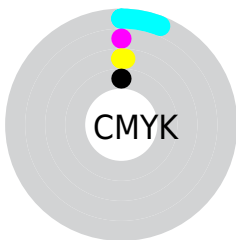
# Distribution



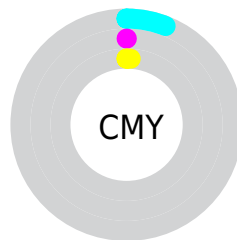
- Red (94%)
- Green (100%)
- Blue (99%)



- 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, 5.295, 188.095 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, 5.295, 188.095 by changing the saturation by 10% instead.



 99, 5.295, 188.095

 99, 5.295, 188.095

 100, 5.295,  
188.095

 89, 5.295, 188.095

 79, 5.295, 188.095

 69, 5.295, 188.095

 59, 5.295, 188.095

 49, 5.295, 188.095

 39, 5.295, 188.095

 29, 5.295, 188.095

 19, 5.295, 188.095

 9, 5.295, 188.095

99, 5.295, 188.095

99, 5.295, 188.095

97, 13.824,  
188.872

100, 0.012,  
296.813

96, 22.036,  
188.031

94, 29.630,  
187.177


93, 36.451,  
186.296

92, 42.358,  
185.373

92, 47.238,  
184.392

91, 51.030,  
183.334

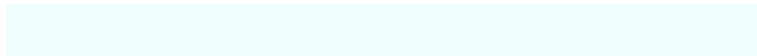
91, 53.742,  
182.179

 90, 55.471,  
180.911

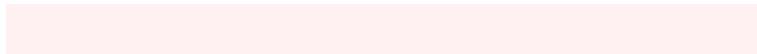
# Harmonies

# Complementary

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



99, 5.295, 188.095



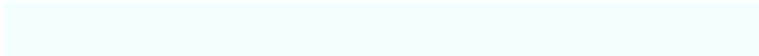
96, 5.297, 10.453

# Rectangle

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



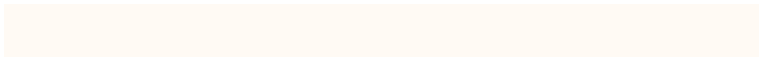
99, 5.295, 188.095



99, 5.295, 238.095



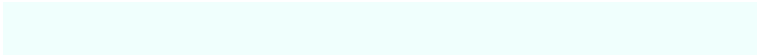
99, 5.295, 8.095



99, 5.295, 58.095

# Sweetspot

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



99, 5.144, 189.757



100, 1.798, 190.287



99, 8.782, 140.988



53, 1.022, 190.314



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

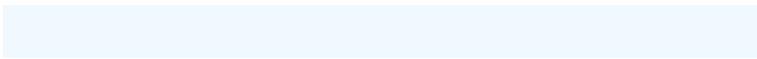
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 5.144, 189.757



99, 6.251, 189.635



98, 4.199, 242.593



53, 4.057, 189.579



70, 45.015, 180.594



23, 20.390, 182.311

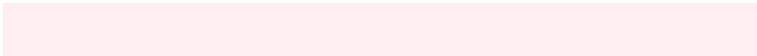


# Inverse Universe

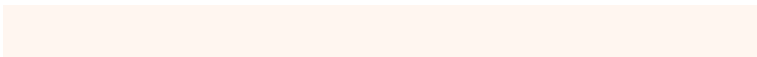
The Inverse Universe completely reimagines the original color for something new.



96, 5.297, 10.453



95, 6.475, 10.586



97, 4.293, 61.182



50, 4.215, 10.649



40, 79.345, 35.269

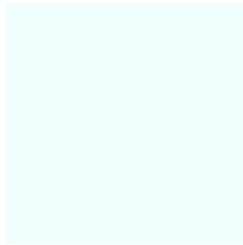


10, 32.513, 22.572



# Previews

## White Background



This preview shows how the CIELCh color 99, 5.295, 188.095 looks on a white background.

## Color Contrast Check

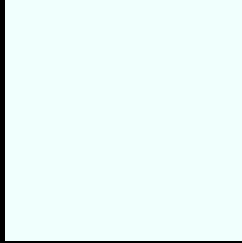
Large Text (above 18pt) WCAG AA × Fail

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, 5.295, 188.095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

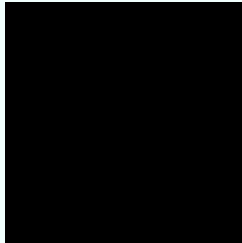
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 5.295, 188.095**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 5.295, 188.095.

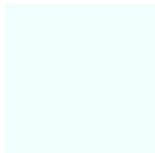


This preview shows how white text looks on a background with the CIELCh color 99, 5.295, 188.095.

# 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, 5.295, 188.095



**Protanopia**  
99, 1.406, 19.030

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.677, 265.874

# Trichromacy



**Original Color**

99, 5.295, 188.095

**Protanomaly**

99, 0.697, 200.304

**Deuteranomaly**

99, 0.697, 200.304

**Tritanomaly**

99, 2.472, 211.413

# Monochromacy



**Original Color**

99, 5.295, 188.095

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

99, 2.155, 185.907

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.295, 188.095 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.295, 188.095 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, 253) }
```

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

```
.border{ border-color:rgb(240, 255, 253) }
```

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, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.295, 188.095 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, 253) }
```

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

```
.background{ background-color: rgb(240,  
255, 253) }
```

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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