

# Converting Colors

CIELCh(100, 6.527, 192.126)

Have a look what the booklet for  
CIELCh(100, 6.527, 192.126)  
contains.

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# **Color**

**CIELCh(99, 5.163, 199.206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFFF
RGB	240, 255, 255
RGB Percent	94%, 100%, 100%
CMY	0.0581, 0.0000, 0.0000
CMYK	0.06, 0.00, 0.00, 0.00
HSL	180°, 100%, 97%
HSV	180°, 6%, 100%
XYZ	89.9041, 97.4360, 108.8410
YIQ	250.5150, -8.9400, -3.1800

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 248, 255
Decimal	15794175
CIE <sub>Lab</sub>	99.00, -4.88, -1.70
CIE <sub>LCh</sub>	99, 5.163, 199.206
Yxy	97.4360, 0.3035, 0.3290
Android (android.graphics.Color)	4293984255 (0xFFFF0FFFFF)
YUV	250.5150, 2.2111, -9.2217
Hunter-Lab	98.7097, -10.1655, 3.7214

# Details

The CIELCh color 99, 5.163, 199.206 is a light color, and the websafe version is hex FFFFFFF, and the color name is azure. A complement of this color would be 96, 5.287, 19.640, 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, 5.040, 199.128 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.510, 198.604, and if you desaturate by 10%, it is 100, 0.012, 296.813.

Azure is the clear blue color of the sky, and the name comes from the mineral lapis lazuli.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.163, 199.206 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, 5.163, 199.206 by changing the saturation by 10% instead.



 99, 5.163, 199.206

 99, 5.163, 199.206

 100, 5.163,  
199.206

 89, 5.163, 199.206

 79, 5.163, 199.206

 69, 5.163, 199.206

 59, 5.163, 199.206

 49, 5.163, 199.206

 39, 5.163, 199.206

 29, 5.163, 199.206

 19, 5.163, 199.206

 9, 5.163, 199.206

99, 5.163, 199.206

99, 5.163, 199.206

97, 13.510,  
198.604

100, 0.012,  
296.813

96, 21.337,  
198.103

95, 28.432,  
197.665

94, 34.652,  
197.290

93, 39.874,  
196.980

92, 44.010,  
196.738

92, 47.024,  
196.564

91, 48.950,  
196.453

■ 91, 49.901,  
196.399

# Harmonies

# Complementary

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



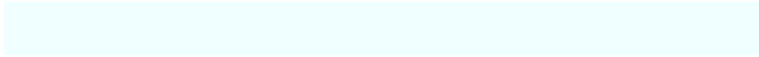
99, 5.163, 199.206



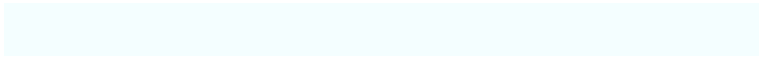
96, 5.287, 19.640

# Rectangle

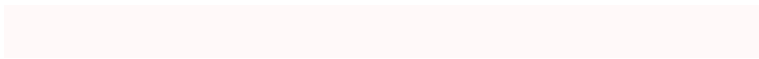
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 5.163, 199.206



99, 5.163, 249.206



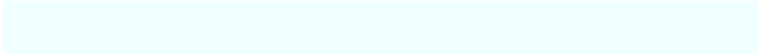
99, 5.163, 19.206



99, 5.163, 69.206

# Sweetspot

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



99, 5.097, 199.212



100, 1.770, 199.667



99, 9.208, 144.140



53, 1.006, 199.692



0, 0.000, 0.000



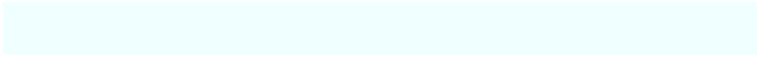
53, 0.007, 296.813



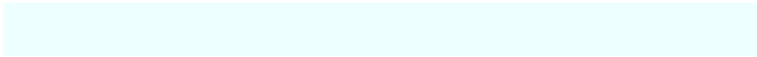


# Same Dimension

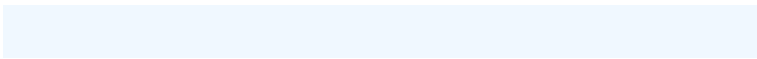
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 5.097, 199.212



99, 6.127, 199.125



97, 4.529, 256.255



53, 3.975, 199.084



70, 40.365, 196.386



24, 18.570, 196.386



# Inverse Universe

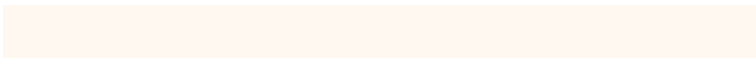
The Inverse Universe completely reimagines the original color for something new.



96, 9.229, 324.729



96, 11.135, 324.801



98, 4.580, 74.613



51, 7.237, 324.836



45, 93.083, 328.233

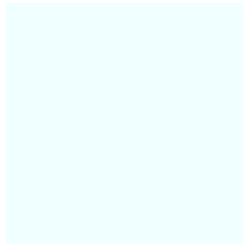


12, 42.823, 328.233



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.163, 199.206 looks on a white background.

## Color Contrast Check

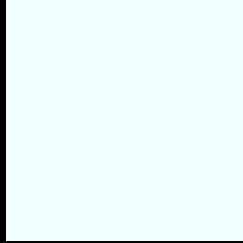
Large Text (above 18pt) WCAG AA × Fail

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, 5.163, 199.206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

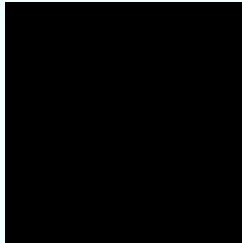
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 5.163, 199.206

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 5.163, 199.206.

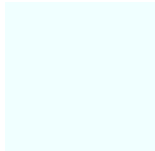


This preview shows how white text looks on a background with the CIELCh color 99, 5.163, 199.206.

# 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, 5.163, 199.206



**Protanopia**  
99, 1.502, 359.268

**Deuteranopia**  
99, 1.748, 343.501



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 5.163, 199.206

**Protanomaly**

99, 0.862, 236.466

**Deuteranomaly**

99, 1.233, 255.968

**Tritanomaly**

99, 2.303, 225.840

# Monochromacy



**Original Color**

99, 5.163, 199.206

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.739, 199.672

# CSS Examples

## Text

The CSS property to change the color of the text to CIElCh 99, 5.163, 199.206 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, 255)` looks like.

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

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, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to CIELCh 99, 5.163, 199.206 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.163, 199.206 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, 255) }
```

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

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

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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