

# Converting Colors

CIELCh(100, 24.910, 287.722)

Have a look what the booklet for  
CIELCh(100, 24.910, 287.722)  
contains.

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# **Color**

**CIELCh(99, 2.563, 236.219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FDFF
RGB	247, 253, 255
RGB Percent	97%, 99%, 100%
CMY	0.0308, 0.0073, 0.0000
CMYK	0.03, 0.01, 0.00, 0.00
HSL	194°, 100%, 98%
HSV	194°, 3%, 100%
XYZ	91.8136, 97.4360, 109.5477
YIQ	251.4340, -4.2180, -0.6500

# Conversions

## Conversions Part 2

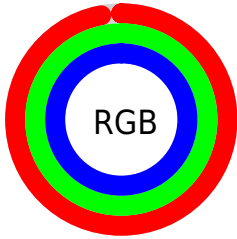
Format	Color
R <sub>Y</sub> B	247, 250, 255
Decimal	16252415
CIE Lab	99.00, -1.43, -2.13
CIE LCh	99, 2.563, 236.219
Yxy	97.4360, 0.3073, 0.3261
Android (android.graphics.Color)	4294442495 (0xFFFF7DFF)
YUV	251.4340, 1.7580, -3.8886
Hunter-Lab	98.7097, -6.7124, 3.2969

# Details

The CIELCh color 99, 2.563, 236.219 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.310, 43.248, 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, 2.094, 230.254 is the 20% darker color. If you saturate the color by 10%, you get 96, 9.418, 224.347, and if you desaturate by 10%, it is 100, 0.012, 296.813.

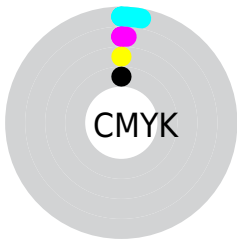
# Distribution



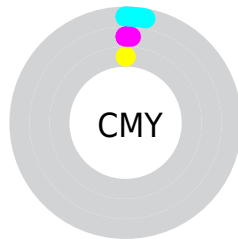
- Red (97%)
- Green (99%)
- Blue (100%)



- Red (97%)
- Yellow (98%)
- Blue (100%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 2.563, 236.219 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, 2.563, 236.219 by changing the saturation by 10% instead.



 99, 2.563, 236.219

 99, 2.563, 236.219

 100, 2.563,  
236.219

 89, 2.563, 236.219

 79, 2.563, 236.219

 69, 2.563, 236.219

 59, 2.563, 236.219

 49, 2.563, 236.219

 39, 2.563, 236.219

 29, 2.563, 236.219

 19, 2.563, 236.219

 9, 2.563, 236.219

99, 2.563, 236.219

99, 2.563, 236.219

96, 9.418, 224.347

100, 0.012,  
296.813

93, 16.148,  
225.024

90, 22.361,  
225.961

87, 27.949,  
227.211

84, 32.813,  
228.849

81, 36.872,  
230.962

79, 40.095,  
233.647

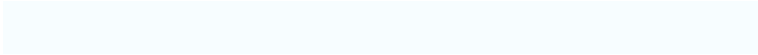
77, 42.519,  
236.987

■ 75, 44.276,  
241.026

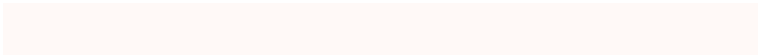
# Harmonies

# Complementary

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



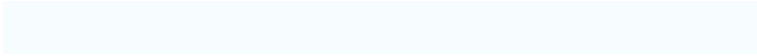
99, 2.563, 236.219



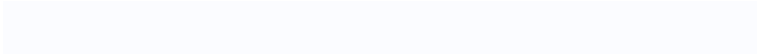
98, 2.310, 43.248

# Rectangle

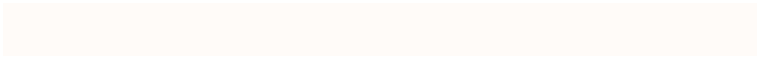
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



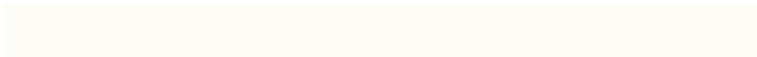
99, 2.563, 236.219



99, 2.563, 286.219



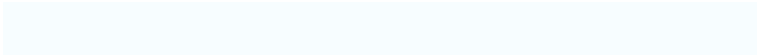
99, 2.563, 56.219



99, 2.563, 106.219

# Sweetspot

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



99, 2.274, 224.045



100, 0.743, 224.536



99, 4.134, 151.615



53, 0.423, 224.579



0, 0.000, 0.000



53, 0.007, 296.813



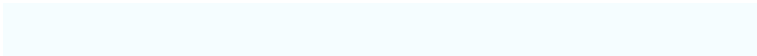


# Same Dimension

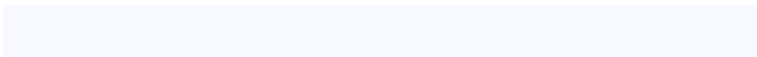
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 2.274, 224.045



99, 2.945, 224.021



98, 3.026, 276.545



52, 2.089, 224.021



56, 36.317, 243.278

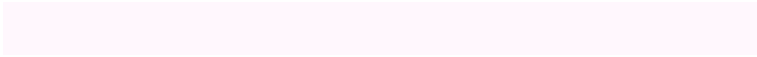


18, 16.346, 237.193



# Inverse Universe

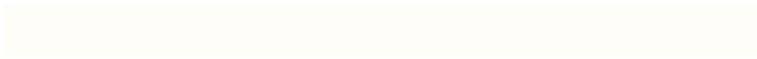
The Inverse Universe completely reimagines the original color for something new.



98, 4.150, 331.897



97, 5.388, 331.977



99, 3.000, 95.651



52, 3.831, 332.037



43, 77.655, 340.418



11, 36.467, 338.615



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.563, 236.219 looks on a white background.

## Color Contrast Check

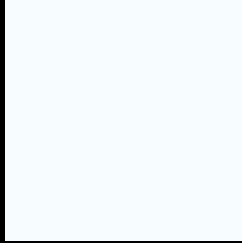
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 99, 2.563, 236.219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

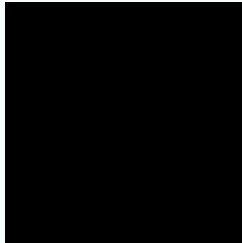
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 2.563, 236.219

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 2.563, 236.219.



This preview shows how white text looks on a background with the CIELCh color 99, 2.563, 236.219.

# 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, 2.303, 225.840

**Protanopia**  
99, 1.748, 343.501

**Deuteranopia**  
99, 1.748, 343.501



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy

## Original Color

99, 2.303, 225.840

## Protanomaly

99, 1.028, 290.329

## Deuteranomaly

99, 1.028, 290.329

## Tritanomaly

99, 1.677, 265.874

# Monochromacy

## Original Color

99, 2.303, 225.840

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.862, 236.466

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.563, 236.219 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(247, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 253, 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(247, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 253, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 2.563, 236.219 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(247, 253, 255) }
```

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

```
.border{ border-color:rgb(247, 253, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(247, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.563, 236.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 253, 255) }
```

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

```
.background{ background-color: rgb(247,  
253, 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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