Converting Colors

CIELCh(100, 5.266, 104.625)

Have a look what the booklet for CIELCh(100, 5.266, 104.625) contains.

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Color

ClELCh(100, 5.059, 109.785)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFF6
RGB	255, 255, 246
RGB Percent	100%, 100%, 96%
CMY	0.0000, 0.0000, 0.0365
CMYK	0.00, 0.00, 0.04, 0.00
HSL	60°, 100%, 98%
HSV	60°, 4%, 100%
XYZ	94.0738, 100.0000, 101.2917
YIQ	253.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

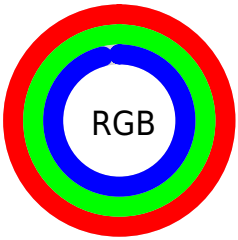
Format	Color
RYB	246, 255, 246
Decimal	16777206
CIELab	100.00, -1.71, 4.76
CIELCh	100, 5.059, 109.785
Yxy	100.0000, 0.3185, 0.3386
Android (android.graphics.Color)	4294967286 (0xFFFFFFF6)
YUV	253.9740, -3.9312, 0.8998
Hunter-Lab	100.0000, -7.0783, 9.9441

Details

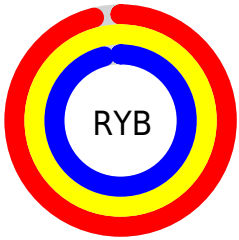
The CIELCh color 100, 5.059, 109.785 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 97, 4.763, 290.555, and the grayscale version is 100, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 80, 4.245, 109.779 is the 20% darker color. If you saturate the color by 10%, you get 99, 17.597, 108.847, and if you desaturate by 10%, it is 100, 0.012, 296.813.

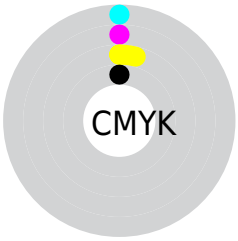
Distribution



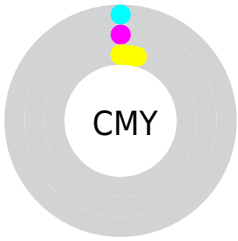
- Red (100%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (96%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 100, 5.059, 109.785 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 100, 5.059, 109.785 by changing the saturation by 10% instead.

100, 5.059, 109.785

90, 5.059, 109.785

80, 5.059, 109.785

70, 5.059, 109.785

60, 5.059, 109.785

50, 5.059, 109.785

40, 5.059, 109.785

30, 5.059, 109.785

20, 5.059, 109.785

10, 5.059, 109.785

100, 5.059, 109.785

99, 17.597, 108.847

99, 30.374, 107.868

98, 42.921, 106.899

98, 55.059, 105.964

98, 66.515, 105.089

97, 76.877, 104.309

97, 85.588,

103.666

97, 92.023, 103.200

97, 95.741, 102.935

100, 5.059, 109.785

100, 0.012, 296.813

Harmonies

Complementary

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

```
100, 5.059, 109.785
```

```
97, 4.763, 290.555
```

Rectangle

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

100, 5.059, 109.785

100, 5.059, 159.785

100, 5.059, 289.785

100, 5.059, 339.785

Sweetspot

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

100, 4.703, 109.810

100, 1.282, 110.022

97, 3.292, 19.426

53, 0.729, 110.023

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

100, 4.703, 109.810

100, 5.161, 109.777

99, 5.003, 128.938

53, 3.669, 109.707

75, 78.056, 102.852

26, 35.525, 102.993

Inverse Universe

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

97, 4.763, 290.555

97, 5.227, 290.590

97, 5.048, 309.201

51, 3.719, 290.665

23, 107.781, 306.287

3, 44.127, 301.758

Previews

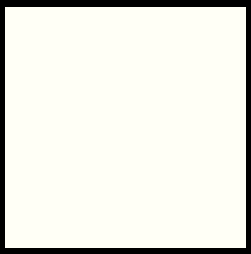
White Background

This preview shows how the CIELCh color 100, 5.059, 109.785 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



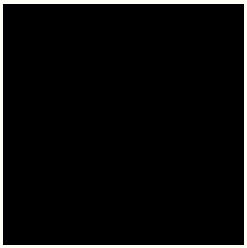
This preview shows how the CIELCh color 100, 5.059, 109.785 looks on a black background.

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 100, 5.059, 109.785 Background



This preview shows how black text looks on a background with the CIELCh color 100, 5.059, 109.785.

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
100, 4.553, 109.821

Protanopia
100, 0.604, 74.594

Deuteranopia
100, 0.351, 17.546

Tritanopia
100, 0.630, 323.973

Trichromacy

Original Color
100, 4.553, 109.821

Protanomaly
100, 2.045, 100.090

Deuteranomaly
100, 1.548, 96.903

Tritanomaly
100, 1.059, 90.707

Monochromacy

Original Color
100, 4.553, 109.821

Achromatopsia
100, 0.012, 296.813

Achromatomaly
100, 1.511, 110.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 100, 5.059, 109.785 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(255, 255, 246) looks like:

```
.text, #text, p{
    color:rgb(255, 255, 246)
}
```

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(255, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 100, 5.059, 109.785 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(255, 255, 246) }
```

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

```
.border{ border-color:rgb(255, 255, 246) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 246); box-shadow:4px 4px 4px 4px rgb(255, 255, 246) }
```

Background

The CSS property to change the background color of an element to CIELCh 100, 5.059, 109.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 255, 246) }
```

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

```
.background{ background-color:rgb(255,
255, 246) }
```

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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