

Converting Colors

CIELCh(100, 1.940, 55.176)

Have a look what the booklet for
CIELCh(100, 1.940, 55.176) contains.

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Color

CIELCh(100, 1.059, 90.707)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFFFD
RGB	255, 255, 253
RGB Percent	100%, 100%, 99%
CMY	0.0000, 0.0002, 0.0081
CMYK	0.00, 0.00, 0.01, 0.00
HSL	58°, 100%, 100%
HSV	58°, 1%, 100%
XYZ	95.0395, 100.0000, 107.1627
YIQ	254.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

Format	Color
R_{YB}	253, 255, 253
Decimal	16777213
CIE _{Lab}	100.00, -0.01, 1.06
CIE _{LCh}	100, 1.059, 90.707
Yxy	100.0000, 0.3145, 0.3309
Android (android.graphics.Color)	4294967293 (0xFFFFFFFFD)
YUV	254.7720, -0.8736, 0.2000
Hunter-Lab	100.0000, -5.3544, 6.4633

Details

The CIELCh color 100, 1.059, 90.707 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 1.030, 289.101, 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, 1.054, 110.022 is the 20% darker color. If you saturate the color by 10%, you get 99, 13.532, 107.850, and if you desaturate by 10%, it is 100, 0.012, 296.813.

Distribution



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



- Red (99%)
- Yellow (100%)
- Blue (99%)



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



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 100, 1.059, 90.707 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, 1.059, 90.707 by changing the saturation by 10% instead.


100, 1.059, 90.707

100, 1.059, 90.707

 90, 1.059, 90.707

 99, 13.532,
107.850

 80, 1.059, 90.707

 98, 25.990,
106.845

 70, 1.059, 90.707

 60, 1.059, 90.707


 98, 38.286,
105.837

 50, 1.059, 90.707


 97, 50.274,
104.848

 40, 1.059, 90.707


 30, 1.059, 90.707

 97, 61.720,
103.899

 20, 1.059, 90.707

 96, 72.265,
103.021

 10, 1.059, 90.707

 96, 81.392,
102.248

■ 96, 88.456,
101.615

■ 95, 92.881,
101.146

100, 1.059, 90.707

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, 1.059, 90.707

99, 1.030, 289.101

Rectangle

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

100, 1.059, 90.707

100, 1.059, 140.707

100, 1.059, 270.707

100, 1.059, 320.707

Sweetspot

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

100, 1.006, 108.761

100, 0.012, 296.813

99, 0.727, 15.786

53, 0.007, 296.813

0, 0.000, 0.000

Same Dimension

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

100, 1.006, 108.761

100, 1.242, 108.760

100, 1.095, 127.976



53, 0.706, 108.761



74, 76.304, 100.883



25, 34.683, 101.293

Inverse Universe

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




99, 1.030, 289.101



99, 1.268, 289.103



99, 1.119, 307.817



53, 0.721, 289.102



23, 106.403, 305.934



4, 43.155, 301.250

Previews

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 100, 1.059, 90.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

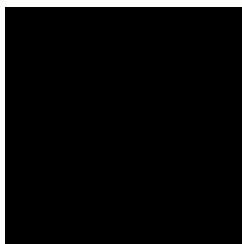
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 100, 1.059, 90.707

Background



This preview shows how black text looks on a background with the CIELCh color 100, 1.059, 90.707.

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, 1.003, 110.026

Protanopia

100, 0.012, 296.813

Deuteranopia

100, 0.012, 296.813

Tritanopia
100, 0.012, 296.813

Trichromacy

Original Color

100, 1.003, 110.026

Protanomaly

100, 0.496, 109.985

Deuteranomaly

100, 0.496, 109.985

Tritanomaly

100, 0.496, 109.985

Monochromacy

Original Color

100, 1.003, 110.026

Achromatopsia

100, 0.012, 296.813

Achromatomaly

100, 0.496, 109.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 100, 1.059, 90.707 is called "color". The color property can be set on classes, ids or directly on the HTML element.

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

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

Border

The CSS property to change the border of an element to CIELCh 100, 1.059, 90.707 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, 253) }
```

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

```
.border{ border-color:rgb(255, 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(255, 255, 253) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 100, 1.059, 90.707 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, 253) }
```

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

```
.background{ background-color: rgb(255,  
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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