

Converting Colors

CIELCh(100, 3.385, 117.666)

Have a look what the booklet for
CIELCh(100, 3.385, 117.666)
contains.

CIELCh(100, 3.057, 116.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(100, 3.057, 116.536)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFFFA
RGB	255, 255, 250
RGB Percent	100%, 100%, 98%
CMY	0.0014, 0.0000, 0.0210
CMYK	0.00, 0.00, 0.02, 0.00
HSL	64°, 100%, 99%
HSV	64°, 2%, 100%
XYZ	94.2703, 100.0000, 104.4770
YIQ	254.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

Format	Color
R _{YB}	250, 255, 250
Decimal	16777210
CIE Lab	100.00, -1.37, 2.73
CIE LCh	100, 3.057, 116.536
Yxy	100.0000, 0.3156, 0.3347
Android (android.graphics.Color)	4294967290 (0xFFFFFFFFFA)
YUV	254.4300, -2.1840, 0.4999
Hunter-Lab	100.0000, -6.7276, 8.0556

Details

The CIELCh color 100, 3.057, 116.536 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.748, 293.012, 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, 2.118, 109.956 is the 20% darker color. If you saturate the color by 10%, you get 99, 15.639, 111.761, and if you desaturate by 10%, it is 100, 0.012, 296.813.

Distribution



- Red (100%)
- Green (100%)
- Blue (98%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 100, 3.057, 116.536 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, 3.057, 116.536 by changing the saturation by 10% instead.

 100, 3.057,
116.536

 100, 3.057,
116.536

 90, 3.057, 116.536

 99, 15.639,
111.761

 80, 3.057, 116.536


 99, 28.460,
110.884

 70, 3.057, 116.536

 60, 3.057, 116.536


 98, 41.070,
110.014

 50, 3.057, 116.536


 97, 53.303,
109.173

 40, 3.057, 116.536

 30, 3.057, 116.536

 97, 64.906,
108.396

 20, 3.057, 116.536

 97, 75.496,
107.723

 10, 3.057, 116.536

 96, 84.542,

107.209

■ 96, 91.421,
106.917

■ 96, 95.633,
106.894

■ 100, 3.057,
116.536

■ 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, 3.057, 116.536



98, 2.748, 293.012

Rectangle

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



100, 3.057, 116.536



100, 3.057, 166.536



100, 3.057, 296.536



100, 3.057, 346.536

Sweetspot

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



100, 2.713, 112.615



100, 1.284, 112.690



99, 1.768, 25.046



53, 0.730, 112.693



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, 2.713, 112.615



100, 3.875, 112.543



100, 2.924, 131.333



53, 2.939, 112.476



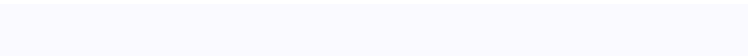
74, 78.319, 106.981



26, 35.586, 106.690

Inverse Universe

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



98, 2.748, 293.012



98, 3.922, 293.087



99, 2.953, 311.394



52, 2.976, 293.156



23, 107.443, 306.480



4, 44.287, 303.092

Previews

White Background



Color Contrast: Yellow (hex: #ffff00) on White (hex: #ffffff) background

Color Contrast Check

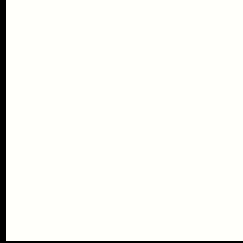
Large Text (above 18pt) WCAG AA × Fail

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, 3.057, 116.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

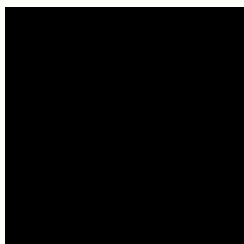
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 100, 3.057, 116.536

Background



This preview shows how black text looks on a background with the CIELCh color 100, 3.057, 116.536.

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, 2.525, 109.959

Protanopia

100, 0.351, 17.546

Deuteranopia

100, 0.351, 17.546

Tritanopia
100, 0.630, 323.973

Trichromacy

Original Color

100, 2.525, 109.959

Protanomaly

100, 1.059, 90.707

Deuteranomaly

100, 1.059, 90.707

Tritanomaly

100, 0.604, 74.594

Monochromacy

Original Color

100, 2.525, 109.959

Achromatopsia

100, 0.012, 296.813

Achromatomaly

100, 1.004, 110.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 100, 3.057, 116.536 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, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 100, 3.057, 116.536 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, 250) }
```

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

```
.border{ border-color:rgb(255, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 100, 3.057, 116.536 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
255, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor