

Converting Colors

CIELCh(100, 3.454, 75.199)

Have a look what the booklet for
CIELCh(100, 3.454, 75.199) contains.

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Color

CIElCh(100, 2.547, 102.010)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFFFA
RGB	255, 255, 250
RGB Percent	100%, 100%, 98%
CMY	0.0000, 0.0000, 0.0191
CMYK	0.00, 0.00, 0.02, 0.00
HSL	60°, 100%, 99%
HSV	60°, 2%, 100%
XYZ	94.7451, 100.0000, 104.8647
YIQ	254.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

Format	Color
R _Y B	250, 255, 250
Decimal	16777210
CIE Lab	100.00, -0.53, 2.49
CIE LCh	100, 2.547, 102.010
Yxy	100.0000, 0.3162, 0.3338
Android (android.graphics.Color)	4294967290 (0xFFFFFFFFFA)
YUV	254.4300, -2.1840, 0.4999
Hunter-Lab	100.0000, -5.8800, 7.8257

Details

The CIELCh color 100, 2.547, 102.010 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.486, 290.395, 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, 15.359, 109.017, 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, 2.547, 102.010 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, 2.547, 102.010 by changing the saturation by 10% instead.

 100, 2.547,
102.010

 100, 2.547,
102.010

 90, 2.547, 102.010

 99, 15.359,
109.017

 80, 2.547, 102.010


 99, 28.163,
108.038

 70, 2.547, 102.010

 60, 2.547, 102.010


 98, 40.761,
107.066

 50, 2.547, 102.010


 98, 52.987,
106.123

 40, 2.547, 102.010

 30, 2.547, 102.010

 98, 64.586,
105.235

 20, 2.547, 102.010

 97, 75.175,
104.436

 10, 2.547, 102.010

 97, 84.219,

103.766

■ 97, 91.091,
103.267

■ 97, 95.294,
102.967

■ 100, 2.547,
102.010

■ 100, 0.012,
296.813

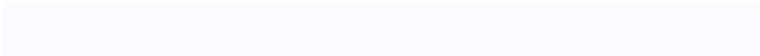
Harmonies

Complementary

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



100, 2.547, 102.010



98, 2.486, 290.395

Rectangle

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



100, 2.547, 102.010



100, 2.547, 152.010

100, 2.547, 282.010

100, 2.547, 332.010

Sweetspot

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



100, 2.453, 109.963



100, 1.282, 110.022



99, 1.710, 19.134



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, 2.453, 109.963



100, 2.575, 109.956



100, 2.608, 129.040



53, 1.464, 109.964



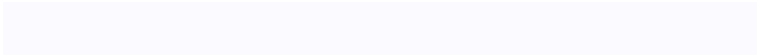
75, 78.056, 102.852



26, 35.525, 102.993

Inverse Universe

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



98, 2.486, 290.395



98, 2.609, 290.403



99, 2.637, 309.098



52, 1.483, 290.394



23, 107.781, 306.287



3, 44.127, 301.758

Previews

White Background

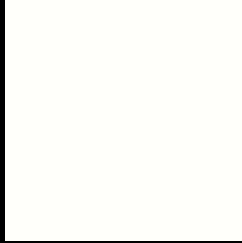


Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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, 2.547, 102.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

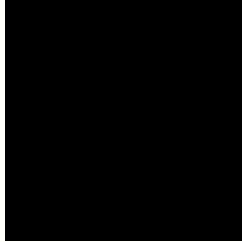
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 100, 2.547, 102.010

Background



This preview shows how black text looks on a background with the CIELCh color 100, 2.547, 102.010.

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, 0.496, 109.985

Deuteranopia

100, 0.012, 296.813

Tritanopia
100, 0.012, 296.813

Trichromacy

Original Color

100, 2.525, 109.959

Protanomaly

100, 1.003, 110.026

Deuteranomaly

100, 1.003, 110.026

Tritanomaly

100, 1.003, 110.026

Monochromacy

Original Color

100, 2.525, 109.959

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, 2.547, 102.010 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, 2.547, 102.010 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, 2.547, 102.010 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](#).

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