

Converting Colors

CIELCh(100, 67.254, 296.987)

Have a look what the booklet for
CIELCh(100, 67.254, 296.987)
contains.

CIELCh(96, 8.350, 312.708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 8.350, 312.708)

Conversions

Conversions Part 1

Format	Color
Hex	F9F0FF
RGB	249, 240, 255
RGB Percent	98%, 94%, 100%
CMY	0.0220, 0.0573, 0.0000
CMYK	0.02, 0.06, 0.00, 0.00
HSL	277°, 100%, 97%
HSV	277°, 6%, 100%
XYZ	88.5960, 90.0078, 107.6451
YIQ	244.4010, 0.5490, 6.5730

Conversions

Conversions Part 2

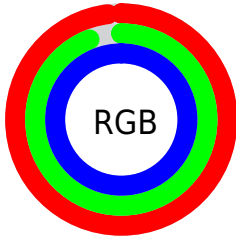
Format	Color
R _Y B	249, 240, 255
Decimal	16380159
CIE Lab	96.00, 5.66, -6.14
CIE LCh	96, 8.350, 312.708
Yxy	90.0078, 0.3095, 0.3144
Android (android.graphics.Color)	4294570239 (0xFFF9F0FF)
YUV	244.4010, 5.2253, 4.0333
Hunter-Lab	94.8724, 0.6644, -0.8615

Details

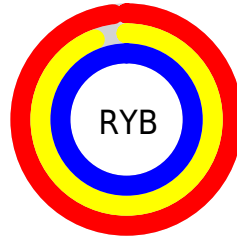
The CIELCh color **96, 8.350, 312.708** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **99, 8.095, 132.805**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 8.269, 314.168** is the 20% darker color. If you saturate the color by 10%, you get **89, 22.673, 313.689**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

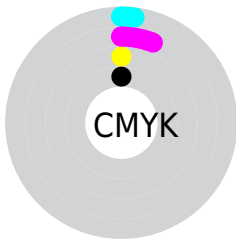
Distribution



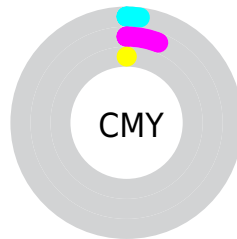
- Red (98%)
- Green (94%)
- Blue (100%)



- Red (98%)
- Yellow (94%)
- Blue (100%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 8.350, 312.708 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 96, 8.350, 312.708 by changing the saturation by 10% instead.

 96, 8.350, 312.708

 96, 8.350, 312.708

 100, 8.350,
312.708

 86, 8.350, 312.708

 76, 8.350, 312.708

 66, 8.350, 312.708

 56, 8.350, 312.708

 46, 8.350, 312.708

 36, 8.350, 312.708

 26, 8.350, 312.708

 16, 8.350, 312.708

 6, 8.350, 312.708

96, 8.350, 312.708

96, 8.350, 312.708

89, 22.673,
313.689

100, 0.012,
296.813

82, 37.480,
314.149

75, 52.438,
314.612

69, 67.305,
315.052

63, 81.686,
315.431

57, 94.994,
315.692

52, 106.438,
315.758

48, 115.138,
315.542

■ 46,120.437,
314.968

Harmonies

Complementary

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



96, 8.350, 312.708



99, 8.095, 132.805

Rectangle

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



96, 8.350, 312.708



96, 8.350, 2.708



96, 8.350, 132.708



96, 8.350, 182.708

Sweetspot

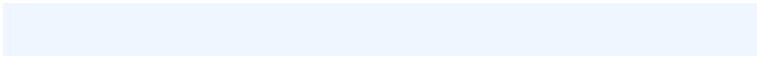
The Sweet Spot groups the original color and five complimentary colors.



96, 8.160, 313.237



99, 2.842, 313.039



97, 4.886, 266.239



53, 1.616, 313.031



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 8.160, 313.237



95, 9.988, 313.295



96, 8.499, 327.565



50, 6.494, 313.323



33, 98.070, 314.833



7, 44.596, 316.125

Inverse Universe

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



96, 5.937, 350.852



95, 7.272, 350.989



99, 8.476, 146.968



50, 4.730, 351.053



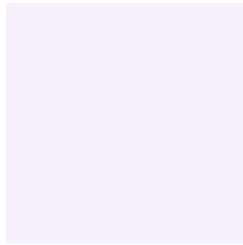
41, 68.557, 13.381



10, 31.283, 6.172

Previews

White Background



This preview shows how the CIE LCh color 96, 8.350, 312.708 looks on a white background.

Color Contrast Check

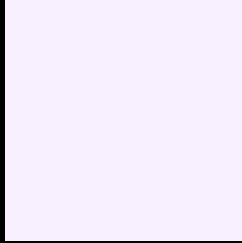
Large Text (above 18pt) WCAG AA × Fail

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 96, 8.350, 312.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

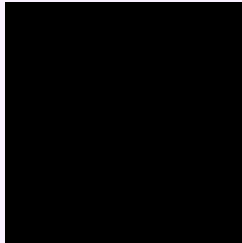
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

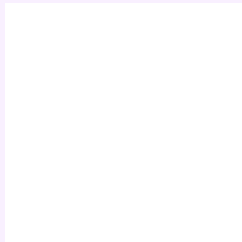
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 8.350, 312.708

Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.350, 312.708.

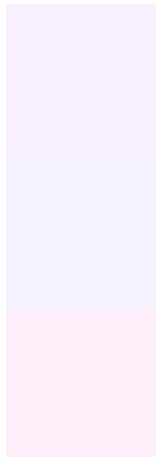


This preview shows how white text looks on a background with the CIELCh color 96, 8.350, 312.708.

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

96, 8.350, 312.708

Protanopia

96, 6.719, 296.596

Deuteranopia

96, 8.376, 332.702



Tritanopia
96, 7.617, 309.293

Trichromacy



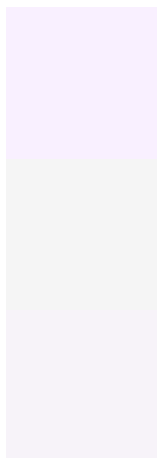
Original Color
96, 8.350, 312.708

Protanomaly
96, 7.418, 304.212

Deuteranomaly
96, 7.697, 326.835

Tritanomaly
96, 7.738, 311.734

Monochromacy



Original Color
96, 8.350, 312.708

Achromatopsia
97, 0.011, 296.813

Achromatomaly
96, 3.402, 314.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 8.350, 312.708 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(249, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 240, 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(249, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 240, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 8.350, 312.708 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(249, 240, 255) }
```

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

```
.border{ border-color:rgb(249, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 240,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 8.350, 312.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 240, 255) }
```

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

```
.background{ background-color: rgb(249,  
240, 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](#).

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