

# Converting Colors

CIELCh(100, 23.642, 5.768)

Have a look what the booklet for  
CIELCh(100, 23.642, 5.768) contains.

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# Color

**CIELCh(96, 8.376, 332.702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFFB
RGB	255, 239, 251
RGB Percent	100%, 94%, 98%
CMY	0.0000, 0.0625, 0.0154
CMYK	0.00, 0.06, 0.02, 0.00
HSL	315°, 100%, 97%
HSV	315°, 6%, 100%
XYZ	89.5681, 90.0078, 103.9690
YIQ	245.1520, 5.6840, 7.1240

# Conversions

## Conversions Part 2

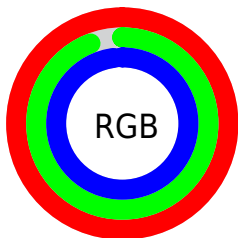
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 239, 251
Decimal	16773115
CIE <sub>Lab</sub>	96.00, 7.44, -3.84
CIE <sub>LCh</sub>	96, 8.376, 332.702
Yxy	90.0078, 0.3159, 0.3174
Android (android.graphics.Color)	4294963195 (0xFFFEFFB)
YUV	245.1520, 2.8831, 8.6367
Hunter-Lab	94.8724, 2.4932, 1.4359

# Details

The CIELCh color  $96, 8.376, 332.702$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $99, 8.326, 151.863$ , and the grayscale version is  $97, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $76, 8.542, 330.959$  is the 20% darker color. If you saturate the color by 10%, you get  $90, 21.875, 333.296$ , and if you desaturate by 10%, it is  $100, 0.012, 296.813$ .

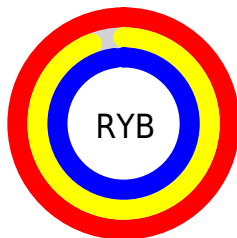
# Distribution



Red (100%)

Green (94%)

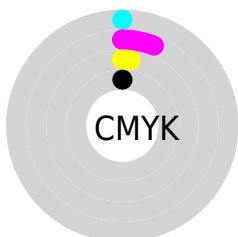
Blue (98%)



Red (100%)

Yellow (94%)

Blue (98%)

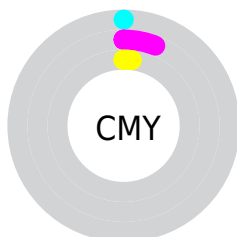


Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 8.376, 332.702 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, 8.376, 332.702 by changing the saturation by 10% instead.



 96, 8.376, 332.702

 96, 8.376, 332.702

 100, 8.376,  
332.702

 86, 8.376, 332.702

 76, 8.376, 332.702

 66, 8.376, 332.702

 56, 8.376, 332.702

 46, 8.376, 332.702

 36, 8.376, 332.702

 26, 8.376, 332.702

 16, 8.376, 332.702

 6, 8.376, 332.702

96, 8.376, 332.702

96, 8.376, 332.702

90, 21.875,  
333.296

100, 0.012,  
296.813

84, 35.420,  
334.012

78, 48.715,  
334.761

73, 61.357,  
335.552

68, 72.813,  
336.396

64, 82.453,  
337.315

61, 89.647,  
338.342

59, 93.944,  
339.526

■ 57, 95.291,  
340.925

# Harmonies

# Complementary

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



96, 8.376, 332.702



99, 8.326, 151.863

# Rectangle

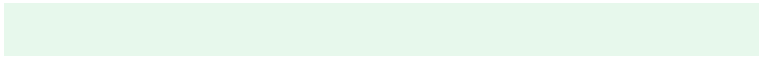
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



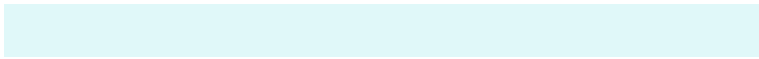
96, 8.376, 332.702



96, 8.376, 22.702



96, 8.376, 152.702



96, 8.376, 202.702

# Sweetspot

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



96, 8.359, 332.593



99, 2.671, 332.217



95, 8.314, 299.683



53, 1.519, 332.203



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, 8.359, 332.593



96, 9.368, 332.647



96, 6.085, 358.806



50, 6.090, 332.690



43, 77.003, 341.207

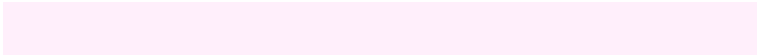


11, 36.188, 339.270



# Inverse Universe

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



96, 8.359, 332.593



96, 9.368, 332.647



99, 5.958, 177.835



50, 6.090, 332.690



43, 77.003, 341.207

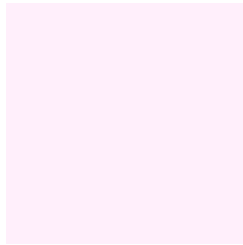


11, 36.188, 339.270



# Previews

## White Background



This preview shows how the CIE LCh color 96, 8.376, 332.702 looks on a white background.

## Color Contrast Check

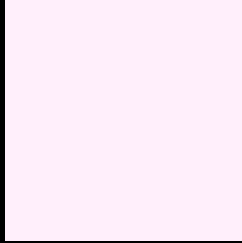
Large Text (above 18pt) WCAG AA × Fail

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, 8.376, 332.702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

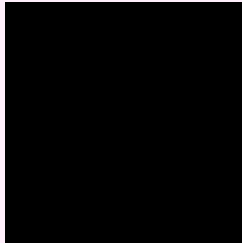
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 96, 8.376, 332.702

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 8.376, 332.702.



This preview shows how white text looks on a background with the CIELCh color 96, 8.376, 332.702.

# 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, 8.376, 332.702


### Protanopia

96, 5.757, 301.029

### Deuteranopia

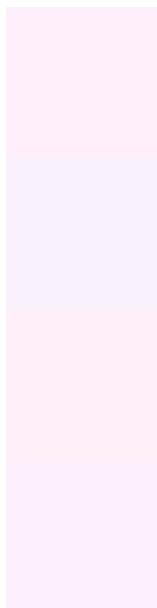
96, 7.326, 340.860





**Tritanopia**  
96, 9.783, 323.048

# Trichromacy



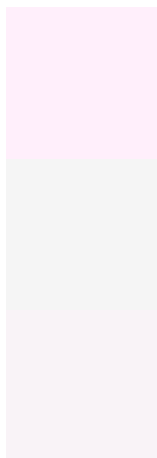
**Original Color**  
96, 8.376, 332.702

**Protanomaly**  
96, 6.331, 316.739

**Deuteranomaly**  
96, 7.657, 337.891

**Tritanomaly**  
96, 9.358, 324.735

# Monochromacy



**Original Color**  
96, 8.376, 332.702

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
96, 2.965, 335.696

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 8.376, 332.702 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, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 251)  
}
```

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, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 8.376, 332.702 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, 239, 251) }
```

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

```
.border{ border-color:rgb(255, 239, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 239, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 239, 251); box-shadow:4px 4px 4px 4px rgb(255, 239, 251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 8.376, 332.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 251) }
```

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

```
.background{ background-color: rgb(255,  
239, 251) }
```

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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