

# Converting Colors

CIE LCh(96, 8.277, 323.002)

Have a look what the booklet for  
CIELCh(96, 8.277, 323.002) contains.

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# **Color**

**CIELCh(96, 7.920, 322.581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF0FD
RGB	252, 240, 253
RGB Percent	99%, 94%, 99%
CMY	0.0122, 0.0593, 0.0083
CMYK	0.00, 0.05, 0.00, 0.01
HSL	295°, 75%, 97%
HSV	295°, 5%, 99%
XYZ	88.9375, 90.0078, 105.5146
YIQ	245.0700, 2.9790, 6.5870

# Conversions

## Conversions Part 2

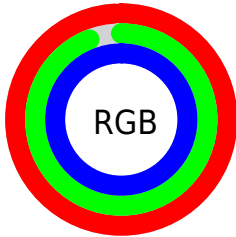
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 240, 253
Decimal	16576765
CIE Lab	96.00, 6.29, -4.81
CIE LCh	96, 7.920, 322.581
Yxy	90.0078, 0.3127, 0.3164
Android (android.graphics.Color)	4294766845 (0xFFFCF0FD)
YUV	245.0700, 3.9095, 6.0776
Hunter-Lab	94.8724, 1.3068, 0.4700

# Details

The CIELCh color **96, 7.920, 322.581** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98, 7.890, 142.128**, 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, 7.660, 322.451** is the 20% darker color. If you saturate the color by 10%, you get **90, 23.473, 323.109**, and if you desaturate by 10%, it is **100, 1.144, 131.019**.

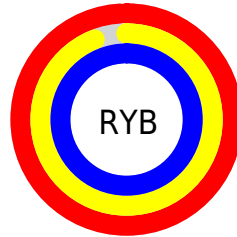
# Distribution



Red (99%)

Green (94%)

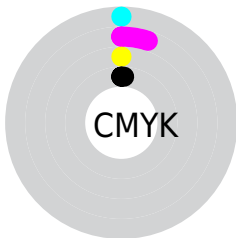
Blue (99%)



Red (99%)

Yellow (94%)

Blue (99%)

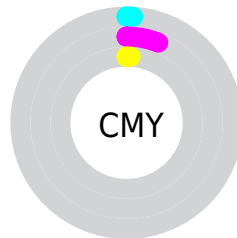


Cyan (0%)

Magenta (5%)

Yellow (0%)

Black (1%)



Cyan (1%)

Magenta (6%)

Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 7.920, 322.581 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, 7.920, 322.581 by changing the saturation by 10% instead.



 96, 7.920, 322.581

 96, 7.920, 322.581

 100, 7.920,  
322.581

 86, 7.920, 322.581

 76, 7.920, 322.581

 66, 7.920, 322.581

 56, 7.920, 322.581

 46, 7.920, 322.581

 36, 7.920, 322.581

 26, 7.920, 322.581

 16, 7.920, 322.581

 6, 7.920, 322.581

96, 7.920, 322.581

96, 7.920, 322.581

90, 23.473,  
323.109

100, 1.144,  
131.019

84, 39.093,  
323.614

100, 1.063,  
110.026

78, 54.500,  
324.096

73, 69.297,  
324.537

68, 82.957,  
324.914

64, 94.853,  
325.198

61, 104.340,  
325.365

58, 110.923,  
325.393

■ 57,114.463,  
325.274

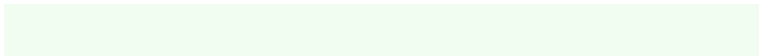
# Harmonies

# Complementary

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



96, 7.920, 322.581



98, 7.890, 142.128

# Rectangle

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



96, 7.920, 322.581



96, 7.920, 12.581



96, 7.920, 142.581



96, 7.920, 192.581

# Sweetspot

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



96, 7.917, 322.580



99, 3.100, 322.366



95, 6.127, 287.165



53, 1.762, 322.357



0, 0.000, 0.000



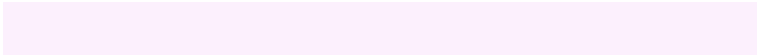
53, 0.007, 296.813





# Same Dimension

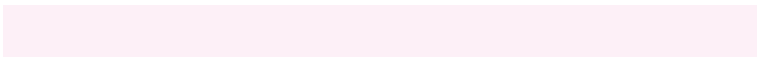
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 7.917, 322.580



96, 9.312, 322.629



96, 6.041, 339.738



51, 6.180, 322.665



43, 93.518, 325.226

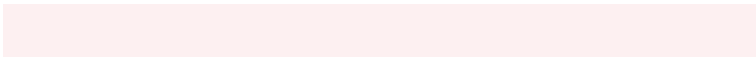


11, 42.991, 325.582

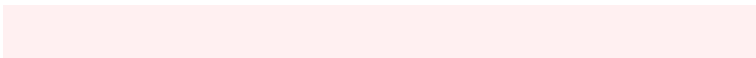


# Inverse Universe

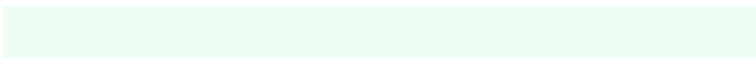
The Inverse Universe completely reimagines the original color for something new.



96, 4.662, 13.294



96, 5.496, 13.385



98, 6.000, 159.099



51, 3.654, 13.451



40, 81.031, 37.043

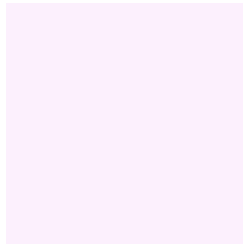


10, 32.764, 24.069



# Previews

## White Background



This preview shows how the CIELCh color 96, 7.920, 322.581 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, 7.920, 322.581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

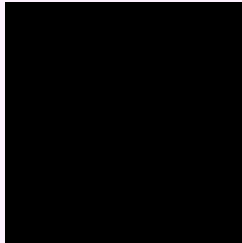
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

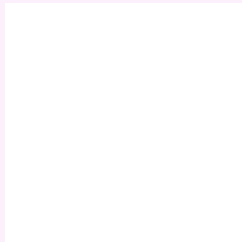
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 7.920, 322.581

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.920, 322.581.



This preview shows how white text looks on a background with the CIELCh color 96, 7.920, 322.581.

# 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, 7.920, 322.581


### Protanopia

96, 6.262, 300.203

### Deuteranopia

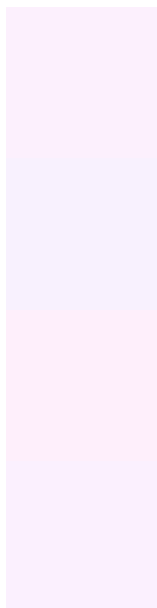
96, 8.008, 335.179





**Tritanopia**  
96, 8.640, 317.002

# Trichromacy



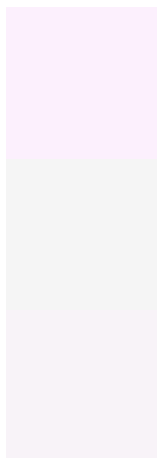
**Original Color**  
96, 7.920, 322.581

**Protanomaly**  
96, 7.134, 310.599

**Deuteranomaly**  
96, 8.142, 330.851

**Tritanomaly**  
96, 8.185, 318.594

# Monochromacy



**Original Color**  
96, 7.920, 322.581

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
96, 3.130, 324.456

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 7.920, 322.581 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(252, 240, 253)` looks like.

```
.text, #text, p{  
    color:rgb(252, 240, 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(252, 240, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 240, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 7.920, 322.581 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(252, 240, 253) }
```

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

```
.border{ border-color:rgb(252, 240, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 240, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 240, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 240, 253);  
box-shadow:4px 4px 4px 4px rgb(252, 240,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 7.920, 322.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 240, 253) }
```

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

```
.background{ background-color: rgb(252,  
240, 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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