

# Converting Colors

CIELCh(92, 8.004, 308.155)

Have a look what the booklet for  
CIELCh(92, 8.004, 308.155) contains.

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# Color

**CIELCh(92, 8.181, 308.163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE5F4
RGB	236, 229, 244
RGB Percent	93%, 90%, 96%
CMY	0.0730, 0.1004, 0.0416
CMYK	0.03, 0.06, 0.00, 0.04
HSL	268°, 41%, 93%
HSV	268°, 6%, 96%
XYZ	79.2332, 80.7044, 97.2981
YIQ	232.8030, -0.6430, 6.1490

# Conversions

## Conversions Part 2

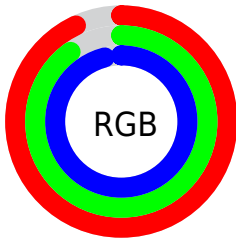
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 229, 244
Decimal	15525364
CIE Lab	92.00, 5.06, -6.43
CIE LCh	92, 8.181, 308.163
Yxy	80.7044, 0.3080, 0.3137
Android (android.graphics.Color)	4293715444 (0xFFECE5F4)
YUV	232.8030, 5.5201, 2.8038
Hunter-Lab	89.8356, 0.2211, -1.3302

# Details

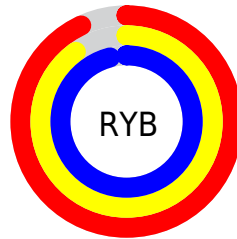
The CIELCh color  $92, 8.181, 308.163$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $95, 8.089, 127.629$ , and the grayscale version is  $92, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $72, 7.974, 306.878$  is the 20% darker color. If you saturate the color by 10%, you get  $85, 21.818, 308.666$ , and if you desaturate by 10%, it is  $99, 5.046, 127.750$ .

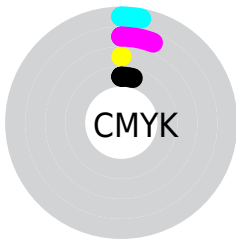
# Distribution



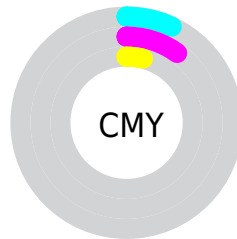
- Red (93%)
- Green (90%)
- Blue (96%)



- Red (93%)
- Yellow (90%)
- Blue (96%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (10%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 8.181, 308.163 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 92, 8.181, 308.163 by changing the saturation by 10% instead.



92, 8.181, 308.163

92, 8.181, 308.163

100, 8.181,  
308.163

82, 8.181, 308.163

72, 8.181, 308.163

62, 8.181, 308.163

52, 8.181, 308.163

42, 8.181, 308.163

32, 8.181, 308.163

22, 8.181, 308.163

12, 8.181, 308.163

2, 8.181, 308.163

92, 8.181, 308.163

92, 8.181, 308.163

85, 21.818,  
308.666

99, 5.046, 127.750

78, 35.838,  
309.213

100, 5.369,  
109.762

71, 50.156,  
309.792

64, 64.607,  
310.383

58, 78.884,  
310.946

52, 92.469,  
311.416

47, 104.566,  
311.699

42, 114.143,  
311.671

■ 39,120.247,  
311.212

# Harmonies

# Complementary

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



92, 8.181, 308.163



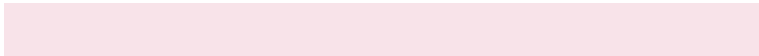
95, 8.089, 127.629

# Rectangle

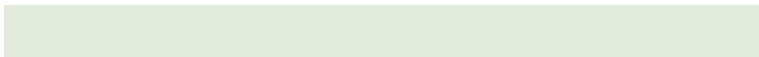
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92, 8.181, 308.163



92, 8.181, 358.163



92, 8.181, 128.163



92, 8.181, 178.163

# Sweetspot

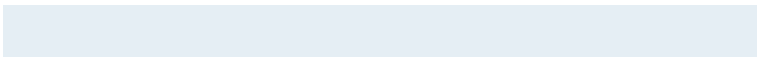
The Sweet Spot groups the original color and five complimentary colors.



92, 8.179, 308.158



99, 2.748, 307.935



94, 4.467, 250.658



53, 1.562, 307.928



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



92, 8.179, 308.158



95, 9.665, 308.202



93, 9.282, 323.386



48, 6.078, 308.231



28, 99.218, 311.158



5, 41.400, 311.411



# Inverse Universe

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



92, 6.784, 342.319



95, 8.016, 342.400



95, 9.256, 142.799



49, 5.040, 342.452



40, 67.369, 358.882

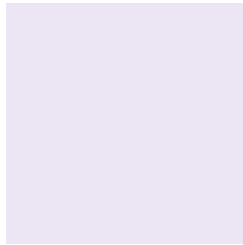


9, 30.604, 353.337



# Previews

## White Background



This preview shows how the CIELCh color 92, 8.181, 308.163 looks on a white background.

## Color Contrast Check

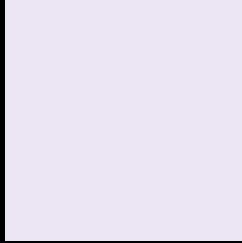
Large Text (above 18pt) WCAG AA × Fail

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 92, 8.181, 308.163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

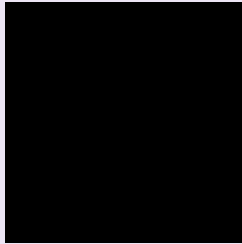
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

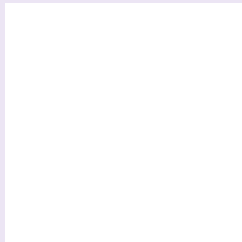
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# **CIELCh 92, 8.181, 308.163**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 92, 8.181, 308.163.



This preview shows how white text looks on a background with the CIELCh color 92, 8.181, 308.163.

# 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

92, 8.181, 308.163

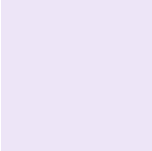
### Protanopia

92, 7.263, 293.500

### Deuteranopia

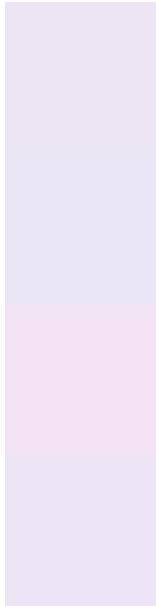
92, 13.202, 328.739





**Tritanopia**  
92, 9.768, 307.438

# Trichromacy



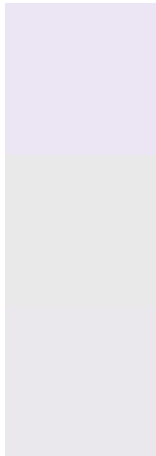
**Original Color**  
92, 8.181, 308.163

**Protanomaly**  
92, 7.914, 300.918

**Deuteranomaly**  
92, 11.122, 323.300

**Tritanomaly**  
92, 9.274, 308.338

# Monochromacy



**Original Color**  
92, 8.181, 308.163

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 2.697, 305.569

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 8.181, 308.163 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(236, 229, 244)` looks like.

```
.text, #text, p{  
    color:rgb(236, 229, 244)  
}
```

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(236, 229, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 229, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 8.181, 308.163 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(236, 229, 244) }
```

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

```
.border{ border-color:rgb(236, 229, 244) }
```

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

Here you see how a box with a 4 pixel rgb(236, 229, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 229, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 229, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 229,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 8.181, 308.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 229, 244) }
```

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

```
.background{ background-color: rgb(236,  
229, 244) }
```

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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