

# Converting Colors

CIELCh(92, 7.670, 0.416)

Have a look what the booklet for  
CIELCh(92, 7.670, 0.416) contains.

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# Color

**CIELCh(92, 7.658, 0.214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E3E8
RGB	247, 227, 232
RGB Percent	97%, 89%, 91%
CMY	0.0305, 0.1090, 0.0894
CMYK	0.00, 0.08, 0.06, 0.03
HSL	345°, 56%, 93%
HSV	345°, 8%, 97%
XYZ	80.5553, 80.7044, 87.8329
YIQ	233.5500, 10.3150, 5.7950

# Conversions

## Conversions Part 2

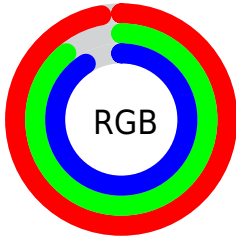
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 227, 232
Decimal	16245736
CIE Lab	92.00, 7.66, 0.03
CIE LCh	92, 7.658, 0.214
Yxy	80.7044, 0.3234, 0.3240
Android (android.graphics.Color)	4294435816 (0xFF7E3E8)
YUV	233.5500, -0.7641, 11.7957
Hunter-Lab	89.8356, 2.8480, 4.9167

# Details

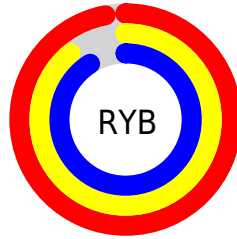
The CIELCh color **92, 7.658, 0.214** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **96, 7.445, 178.864**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **72, 7.546, 3.320** is the 20% darker color. If you saturate the color by 10%, you get **86, 17.515, 1.356**, and if you desaturate by 10%, it is **99, 1.757, 179.694**.

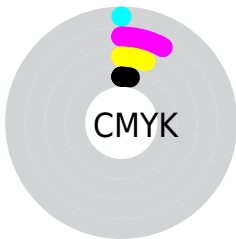
# Distribution



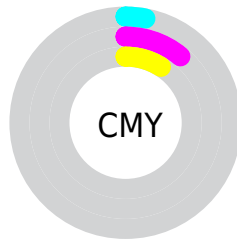
- Red (97%)
- Green (89%)
- Blue (91%)



- Red (97%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (3%)



- Cyan (3%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 7.658, 0.214 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, 7.658, 0.214 by changing the saturation by 10% instead.



 92, 7.658, 0.214

 92, 7.658, 0.214

 100, 7.658, 0.214

 82, 7.658, 0.214

 72, 7.658, 0.214

 62, 7.658, 0.214

 52, 7.658, 0.214

 42, 7.658, 0.214

 32, 7.658, 0.214

 22, 7.658, 0.214

 12, 7.658, 0.214

 2, 7.658, 0.214

92, 7.658, 0.214

92, 7.658, 0.214

86, 17.515, 1.356

99, 1.757, 179.694

79, 27.748, 2.653

99, 2.696, 199.480

73, 38.207, 4.207

68, 48.638, 6.113

63, 58.675, 8.498

59, 67.871, 11.522

56, 75.820, 15.350

53, 82.344, 20.085

52, 87.694, 25.576

# Harmonies

# Complementary

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



92, 7.658, 0.214



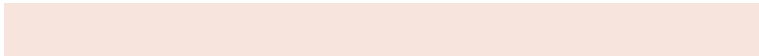
96, 7.445, 178.864

# Rectangle

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



92, 7.658, 0.214



92, 7.658, 50.214



92, 7.658, 180.214



92, 7.658, 230.214

# Sweetspot

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



92, 7.656, 0.225



99, 1.916, 359.405



92, 11.664, 317.622



53, 1.089, 359.379



0, 0.000, 0.000

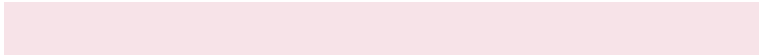


53, 0.007, 296.813



# Same Dimension

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



92, 7.656, 0.225



93, 9.748, 0.437



93, 6.000, 44.966



48, 5.353, 0.378



39, 71.125, 25.519



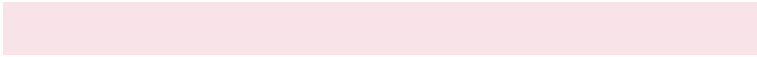
9, 29.817, 14.188





# Inverse Universe

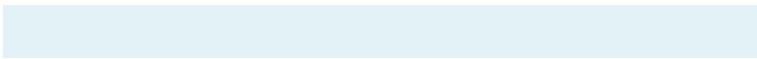
The Inverse Universe completely reimagines the original color for something new.



92, 7.656, 0.225



93, 9.748, 0.437



95, 5.723, 225.942



48, 5.353, 0.378



39, 71.125, 25.519

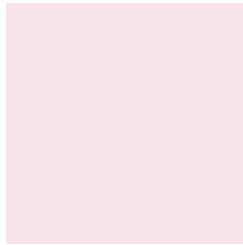


9, 29.817, 14.188



# Previews

## White Background



This preview shows how the CIELCh color 92, 7.658, 0.214 looks on a white background.

## Color Contrast Check

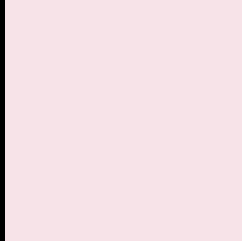
Large Text (above 18pt) WCAG AA × Fail

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, 7.658, 0.214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

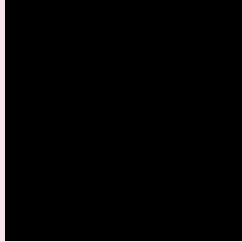
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

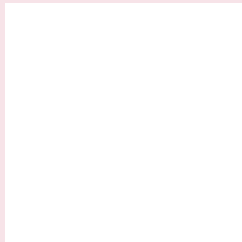
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 92, 7.658, 0.214**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 92, 7.658, 0.214.

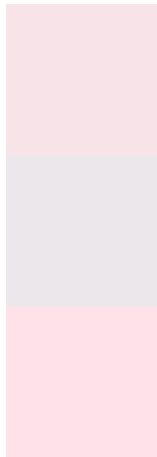


This preview shows how white text looks on a background with the CIELCh color 92, 7.658, 0.214.

# 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, 7.658, 0.214

**Protanopia**

92, 2.124, 332.278

**Deuteranopia**

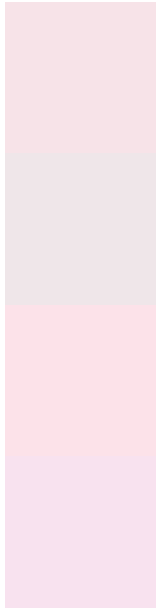
92, 11.258, 358.720



**Tritanopia**  
92, 12.651, 332.942



# Trichromacy



## Original Color

92, 7.658, 0.214

## Protanomaly

92, 3.585, 353.889

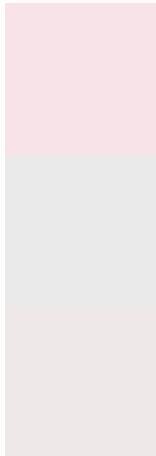
## Deuteranomaly

92, 10.054, 359.072

## Tritanomaly

92, 10.357, 339.699

# Monochromacy



## Original Color

92, 7.658, 0.214

## Achromatopsia

93, 0.011, 296.813

## Achromatomaly

93, 2.558, 7.719

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 7.658, 0.214 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(247, 227, 232)` looks like.

```
.text, #text, p{  
    color:rgb(247, 227, 232)  
}
```

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(247, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 227, 232) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 7.658, 0.214 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(247, 227, 232) }
```

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

```
.border{ border-color:rgb(247, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(247, 227,  
232) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 7.658, 0.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 227, 232) }
```

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

```
.background{ background-color: rgb(247,  
227, 232) }
```

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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