

# Converting Colors

CIELCh(92, 0.642, 56.798)

Have a look what the booklet for  
CIELCh(92, 0.642, 56.798) contains.

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# **Color**

**CIELCh(92, 0.615, 74.646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E8E7
RGB	233, 232, 231
RGB Percent	91%, 91%, 91%
CMY	0.0868, 0.0907, 0.0946
CMYK	0.00, 0.00, 0.01, 0.09
HSL	30°, 4%, 91%
HSV	30°, 1%, 91%
XYZ	76.7877, 80.7044, 87.0365
YIQ	232.1850, 0.9170, -0.0990

# Conversions

## Conversions Part 2

Format	Color
<b>R<sub>YB</sub></b>	233, 233, 231
Decimal	15329511
CIE Lab	92.00, 0.16, 0.59
CIE LCh	92, 0.615, 74.646
Yxy	80.7044, 0.3140, 0.3300
Android (android.graphics.Color)	4293519591 (0xFFE9E8E7)
YUV	232.1850, -0.5842, 0.7148
Hunter-Lab	89.8356, -4.6382, 5.4424

# Details

The CIELCh color **92, 0.615, 74.646** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 0.631, 256.389**, 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, 0.650, 74.770** is the 20% darker color. If you saturate the color by 10%, you get **89, 8.065, 74.254**, and if you desaturate by 10%, it is **96, 6.516, 256.795**.

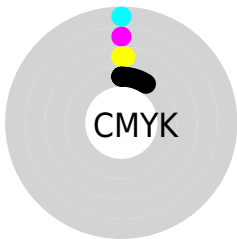
# Distribution



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



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 0.615, 74.646 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, 0.615, 74.646 by changing the saturation by 10% instead.



 92, 0.615, 74.646	 92, 0.615, 74.646
100, 0.615, 74.646	 82, 0.615, 74.646
	 72, 0.615, 74.646
	 62, 0.615, 74.646
	 52, 0.615, 74.646
	 42, 0.615, 74.646
	 32, 0.615, 74.646
	 22, 0.615, 74.646
	 12, 0.615, 74.646
	 2, 0.615, 74.646

92, 0.615, 74.646

92, 0.615, 74.646

89, 8.065, 74.254

96, 6.516, 256.795

85, 15.861, 73.028

98, 7.564, 199.014

82, 24.030, 71.769

78, 32.575, 70.495

75, 41.464, 69.205

72, 50.587, 67.881

69, 59.684, 66.465

67, 68.217, 64.822

64, 75.238, 62.685

# Harmonies

# Complementary

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



92, 0.615, 74.646



92, 0.631, 256.389

# Rectangle

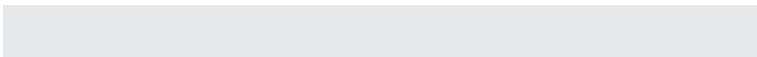
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



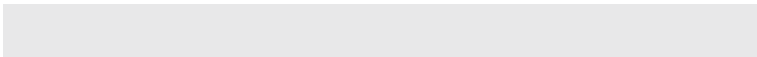
92, 0.615, 74.646



92, 0.615, 124.646



92, 0.615, 254.646



92, 0.615, 304.646

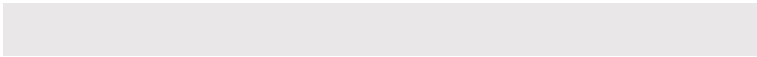
# Sweetspot

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



92, 0.616, 74.867

100, 0.012, 296.813



92, 0.891, 343.211



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



92, 0.616, 74.867



100, 0.774, 74.948



92, 1.020, 110.025



49, 0.411, 74.919



49, 65.842, 60.817



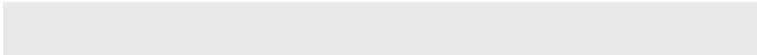
13, 22.178, 61.150





# Inverse Universe

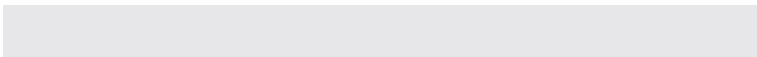
The Inverse Universe completely reimagines the original color for something new.



92, 0.631, 256.389



99, 0.790, 256.313



92, 1.044, 290.329



49, 0.420, 256.340



39, 55.989, 284.196

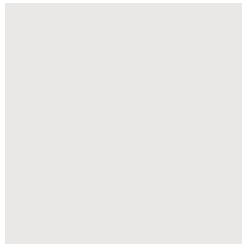


9, 20.654, 276.042



# Previews

## White Background



This preview shows how the CIELCh color 92, 0.615, 74.646 looks on a white background.

## Color Contrast Check

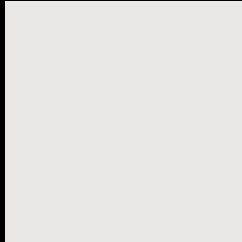
Large Text (above 18pt) WCAG AA × Fail

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, 0.615, 74.646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

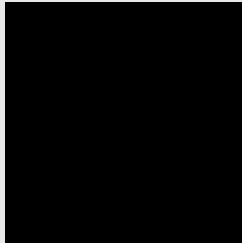
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

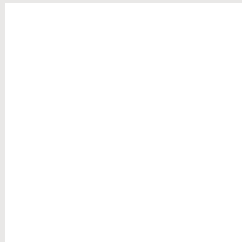
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 92, 0.615, 74.646

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 0.615, 74.646.

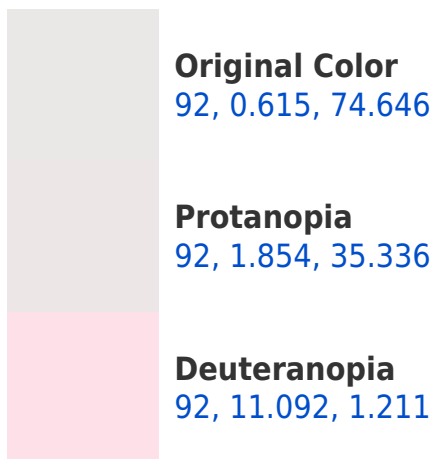


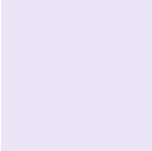
This preview shows how white text looks on a background with the CIELCh color 92, 0.615, 74.646.

# 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](#).

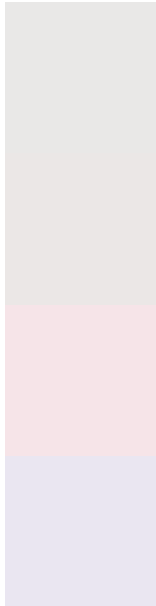
## Dichromacy





**Tritanopia**  
92, 9.587, 303.448

# Trichromacy



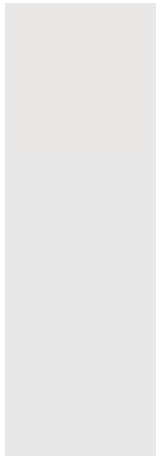
**Original Color**  
92, 0.615, 74.646

**Protanomaly**  
92, 1.512, 39.028

**Deuteranomaly**  
92, 6.805, 2.173

**Tritanomaly**  
92, 5.890, 304.394

# Monochromacy



**Original Color**  
92, 0.615, 74.646

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 0.011, 296.813



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 0.615, 74.646 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(233, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 232, 231)  
}
```

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(233, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 231) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 0.615, 74.646 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(233, 232, 231) }
```

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

```
.border{ border-color:rgb(233, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
231) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 0.615, 74.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 231) }
```

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

```
.background{ background-color: rgb(233,  
232, 231) }
```

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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