

Converting Colors

CIELCh(90, 3.297, 32.911)

Have a look what the booklet for
CIELCh(90, 3.297, 32.911) contains.

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Color

CIELCh(90, 3.057, 39.190)

Conversions

Conversions Part 1

Format	Color
Hex	E9E1DF
RGB	233, 225, 223
RGB Percent	91%, 88%, 87%
CMY	0.0873, 0.1186, 0.1265
CMYK	0.00, 0.03, 0.04, 0.09
HSL	12°, 18%, 89%
HSV	12°, 4%, 91%
XYZ	73.6582, 76.3034, 80.4747
YIQ	227.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

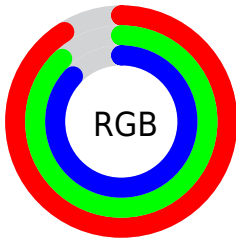
Format	Color
R_{YB}	233, 226, 223
Decimal	15327711
CIE Lab	90.00, 2.37, 1.93
CIE LCh	90, 3.057, 39.190
Yxy	76.3034, 0.3196, 0.3311
Android (android.graphics.Color)	4293517791 (0xFFE9E1DF)
YUV	227.1640, -2.0529, 5.1182
Hunter-Lab	87.3518, -2.3480, 6.5241

Details

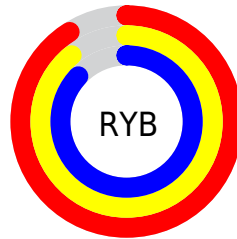
The CIELCh color **90, 3.057, 39.190** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 2.981, 219.835**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.872, 41.760** is the 20% darker color. If you saturate the color by 10%, you get **85, 10.601, 39.227**, and if you desaturate by 10%, it is **95, 3.907, 219.826**.

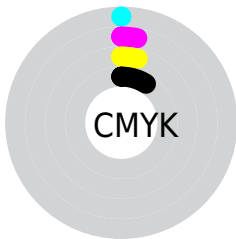
Distribution



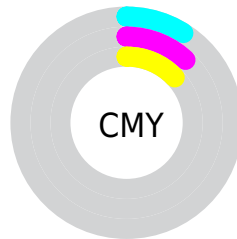
- Red (91%)
- Green (88%)
- Blue (87%)



- Red (91%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.057, 39.190 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 90, 3.057, 39.190 by changing the saturation by 10% instead.

90, 3.057, 39.190

90, 3.057, 39.190

100, 3.057, 39.190

80, 3.057, 39.190

70, 3.057, 39.190

60, 3.057, 39.190

50, 3.057, 39.190

40, 3.057, 39.190

30, 3.057, 39.190

20, 3.057, 39.190

10, 3.057, 39.190

0, 3.057, 39.190

90, 3.057, 39.190

90, 3.057, 39.190

85, 10.601, 39.227

95, 3.907, 219.826

80, 18.786, 39.214

98, 7.608, 199.011

75, 27.657, 39.334

70, 37.234, 39.636

66, 47.488, 40.157

61, 58.304, 40.916

58, 69.399, 41.868

55, 80.131, 42.810

52, 89.093, 43.196

Harmonies

Complementary

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



90, 3.057, 39.190



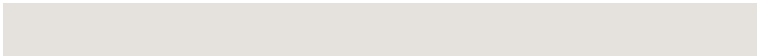
91, 2.981, 219.835

Rectangle

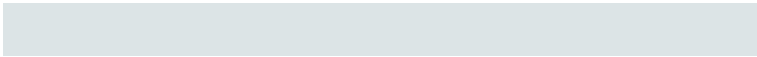
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



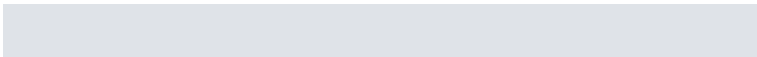
90, 3.057, 39.190



90, 3.057, 89.190



90, 3.057, 219.190



90, 3.057, 269.190

Sweetspot

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



90, 3.056, 39.236



99, 0.754, 38.640



90, 5.511, 330.732



53, 0.429, 38.596



0, 0.000, 0.000



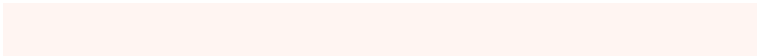
53, 0.007, 296.813

Same Dimension

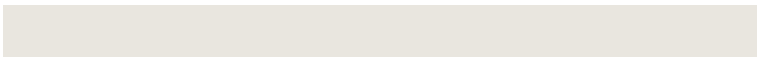
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 3.056, 39.236



97, 3.843, 39.251



91, 3.757, 93.113



48, 2.455, 39.259



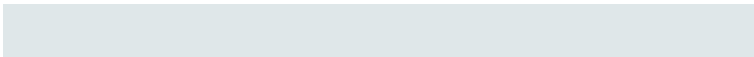
40, 76.685, 43.550



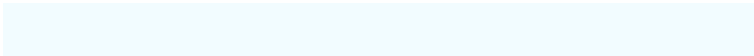
9, 24.924, 34.222

Inverse Universe

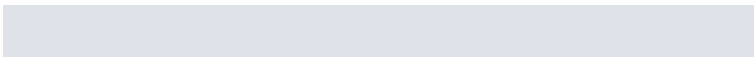
The Inverse Universe completely reimagines the original color for something new.



91, 2.981, 219.835



98, 3.730, 219.827



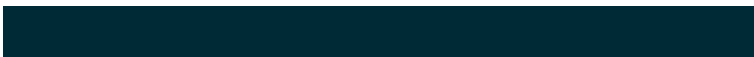
90, 3.778, 274.294



48, 2.373, 219.827



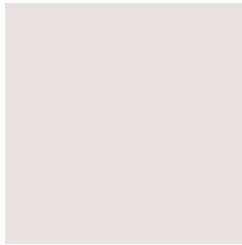
56, 33.976, 235.591



15, 14.423, 229.195

Previews

White Background



This preview shows how the CIELCh color 90, 3.057, 39.190 looks on a white background.

Color Contrast Check

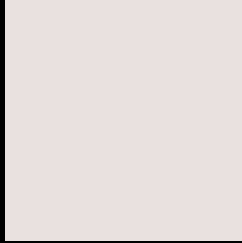
Large Text (above 18pt) WCAG AA × Fail

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 90, 3.057, 39.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

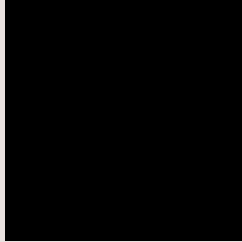
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

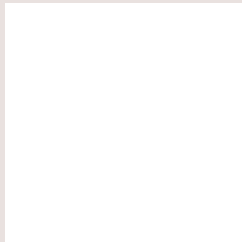
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.057, 39.190

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.057, 39.190.



This preview shows how white text looks on a background with the CIELCh color 90, 3.057, 39.190.

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](#).

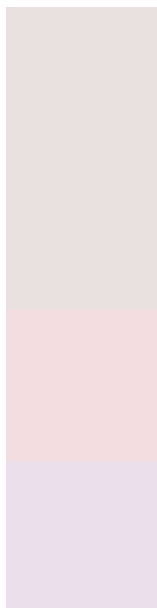
Dichromacy





Tritanopia
90, 10.472, 316.729

Trichromacy



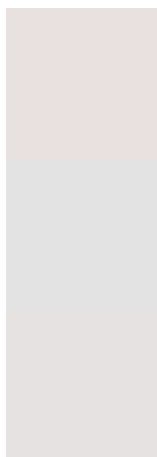
Original Color
90, 3.057, 39.190

Protanomaly
90, 2.717, 41.744

Deuteranomaly
90, 8.148, 8.950

Tritanomaly
90, 6.965, 324.659

Monochromacy



Original Color
90, 3.057, 39.190

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.185, 44.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.057, 39.190 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, 225, 223)` looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 223)  
}
```

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, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.057, 39.190 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, 225, 223) }
```

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

```
.border{ border-color:rgb(233, 225, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 225, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 225, 223); box-shadow:4px 4px 4px 4px rgb(233, 225, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.057, 39.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 223) }
```

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

```
.background{ background-color: rgb(233,  
225, 223) }
```

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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