

Converting Colors

CIELCh(91, 2.975, 33.335)

Have a look what the booklet for
CIELCh(91, 2.975, 33.335) contains.

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Color

CIELCh(91, 3.049, 39.189)

Conversions

Conversions Part 1

Format	Color
Hex	ECE4E2
RGB	236, 228, 226
RGB Percent	93%, 89%, 89%
CMY	0.0762, 0.1075, 0.1154
CMYK	0.00, 0.03, 0.04, 0.08
HSL	12°, 20%, 90%
HSV	12°, 4%, 92%
XYZ	75.7486, 78.4833, 82.8056
YIQ	230.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

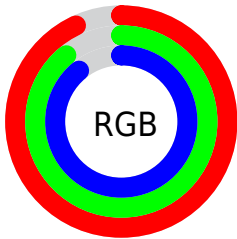
Format	Color
R_{YB}	236, 229, 226
Decimal	15525090
CIE Lab	91.00, 2.36, 1.93
CIE LCh	91, 3.049, 39.189
Yxy	78.4833, 0.3196, 0.3311
Android (android.graphics.Color)	4293715170 (0xFFECE4E2)
YUV	230.1640, -2.0529, 5.1182
Hunter-Lab	88.5908, -2.4095, 6.5954

Details

The CIELCh color **91, 3.049, 39.189** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 2.974, 219.837**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 2.862, 41.760** is the 20% darker color. If you saturate the color by 10%, you get **86, 10.665, 39.228**, and if you desaturate by 10%, it is **96, 3.981, 219.827**.

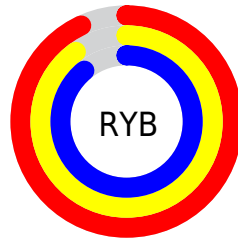
Distribution



Red (93%)

Green (89%)

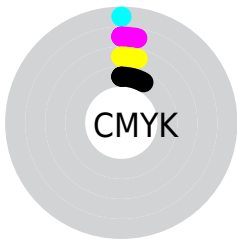
Blue (89%)



Red (93%)

Yellow (90%)

Blue (89%)

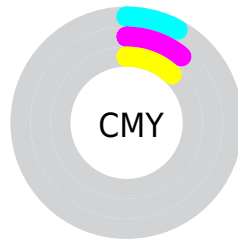


Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (8%)



Cyan (8%)

Magenta (11%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 3.049, 39.189 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 91, 3.049, 39.189 by changing the saturation by 10% instead.

91, 3.049, 39.189

91, 3.049, 39.189

100, 3.049, 39.189

81, 3.049, 39.189

71, 3.049, 39.189

61, 3.049, 39.189

51, 3.049, 39.189

41, 3.049, 39.189

31, 3.049, 39.189

21, 3.049, 39.189

11, 3.049, 39.189

1, 3.049, 39.189

91, 3.049, 39.189

91, 3.049, 39.189

86, 10.665, 39.228

96, 3.981, 219.827

81, 18.928, 39.214

99, 6.657, 199.083

76, 27.884, 39.334

71, 37.554, 39.635

66, 47.908, 40.157

62, 58.830, 40.916

58, 70.035, 41.869

55, 80.872, 42.811

53, 89.920, 43.197

Harmonies

Complementary

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



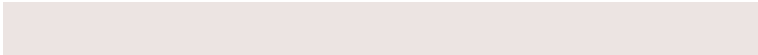
91, 3.049, 39.189



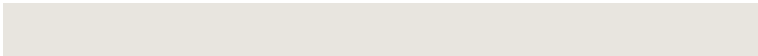
92, 2.974, 219.837

Rectangle

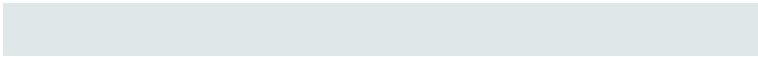
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



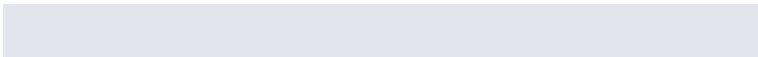
91, 3.049, 39.189



91, 3.049, 89.189



91, 3.049, 219.189



91, 3.049, 269.189

Sweetspot

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



91, 3.048, 39.236



99, 0.754, 38.641



91, 5.498, 330.728



53, 0.429, 38.597



0, 0.000, 0.000



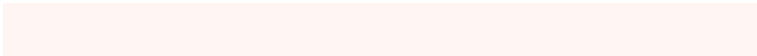
53, 0.007, 296.813

Same Dimension

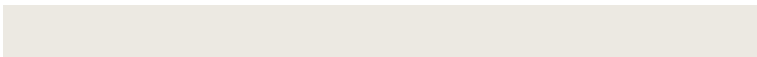
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 3.048, 39.236



97, 3.843, 39.252



92, 3.747, 93.118



48, 2.455, 39.260



40, 76.685, 43.551



9, 24.924, 34.223

Inverse Universe

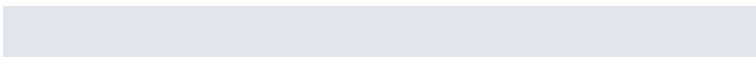
The Inverse Universe completely reimagines the original color for something new.



92, 2.974, 219.837



98, 3.730, 219.828



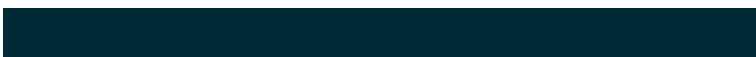
91, 3.768, 274.288



48, 2.373, 219.828



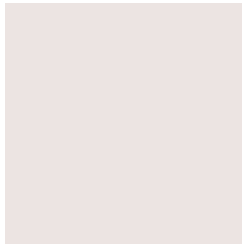
56, 33.976, 235.592



15, 14.423, 229.196

Previews

White Background



This preview shows how the CIELCh color 91, 3.049, 39.189 looks on a white background.

Color Contrast Check

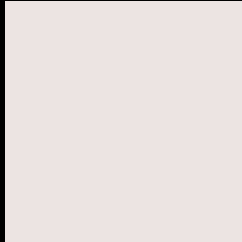
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 91, 3.049, 39.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

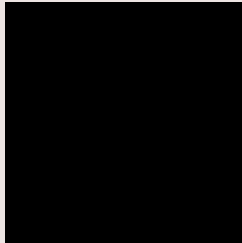
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

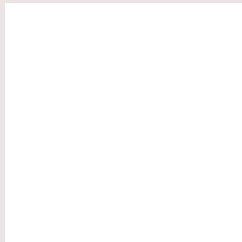
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 3.049, 39.189

Background



This preview shows how black text looks on a background with the CIELCh color 91, 3.049, 39.189.

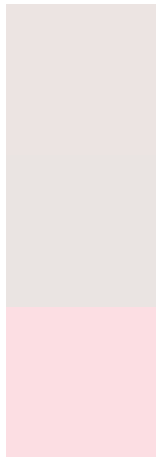


This preview shows how white text looks on a background with the CIELCh color 91, 3.049, 39.189.

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

91, 3.049, 39.189

Protanopia

91, 2.379, 45.018

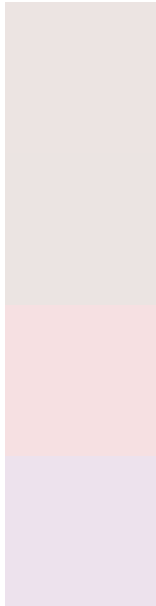
Deuteranopia

91, 11.216, 6.894



Tritanopia
91, 10.446, 316.725

Trichromacy



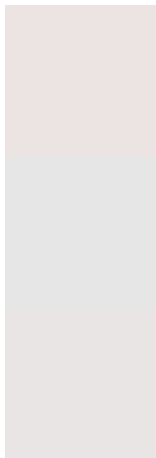
Original Color
91, 3.049, 39.189

Protanomaly
91, 2.710, 41.742

Deuteranomaly
91, 8.054, 12.551

Tritanomaly
91, 6.948, 324.655

Monochromacy



Original Color
91, 3.049, 39.189

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.182, 44.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 3.049, 39.189 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, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 226)  
}
```

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, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 3.049, 39.189 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, 228, 226) }
```

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

```
.border{ border-color:rgb(236, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 3.049, 39.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 226) }
```

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

```
.background{ background-color: rgb(236,  
228, 226) }
```

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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