

Converting Colors

CIELCh(89, 2.409, 353.720)

Have a look what the booklet for
CIELCh(89, 2.409, 353.720) contains.

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Color

CIELCh(89, 2.407, 353.718)

Conversions

Conversions Part 1

Format	Color
Hex	E4DEE0
RGB	228, 222, 224
RGB Percent	89%, 87%, 88%
CMY	0.1056, 0.1292, 0.1213
CMYK	0.00, 0.03, 0.02, 0.11
HSL	340°, 10%, 88%
HSV	340°, 3%, 89%
XYZ	71.6146, 74.1641, 81.1051
YIQ	224.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

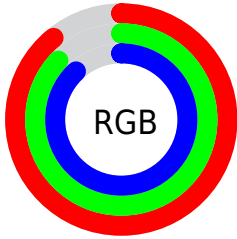
Format	Color
R_{YB}	228, 222, 224
Decimal	14999264
CIE Lab	89.00, 2.39, -0.26
CIE LCh	89, 2.407, 353.718
Yxy	74.1641, 0.3156, 0.3269
Android (android.graphics.Color)	4293189344 (0xFFE4DEE0)
YUV	224.0220, -0.0108, 3.4887
Hunter-Lab	86.1186, -2.2703, 4.4447

Details

The CIELCh color **89, 2.407, 353.718** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 2.378, 173.698**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 2.537, 353.839** is the 20% darker color. If you saturate the color by 10%, you get **83, 11.760, 354.896**, and if you desaturate by 10%, it is **95, 6.577, 173.173**.

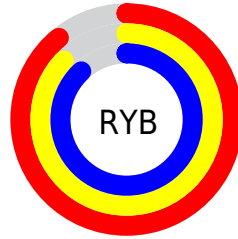
Distribution



Red (89%)

Green (87%)

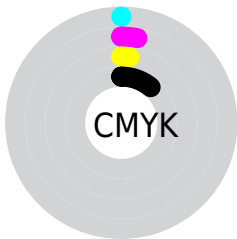
Blue (88%)



Red (89%)

Yellow (87%)

Blue (88%)

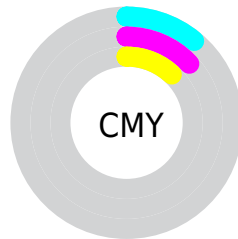


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.407, 353.718 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 89, 2.407, 353.718 by changing the saturation by 10% instead.

■ 89, 2.407, 353.718

■ 89, 2.407, 353.718

100, 2.407,
353.718

■ 79, 2.407, 353.718

■ 69, 2.407, 353.718

■ 59, 2.407, 353.718

■ 49, 2.407, 353.718

■ 39, 2.407, 353.718

■ 29, 2.407, 353.718

■ 19, 2.407, 353.718

■ 9, 2.407, 353.718

■ 0, 2.407, 353.718

89, 2.407, 353.718

89, 2.407, 353.718

83, 11.760,
354.896

95, 6.577, 173.173

77, 21.430,
356.043

98, 9.180, 197.268

71, 31.293,
357.368

98, 9.163, 198.899

66, 41.140,
358.946

61, 50.651, 0.870

57, 59.403, 3.267

53, 66.929, 6.301

51, 72.869, 10.151

49, 77.182, 14.942

Harmonies

Complementary

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



89, 2.407, 353.718



90, 2.378, 173.698

Rectangle

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



89, 2.407, 353.718



89, 2.407, 43.718



89, 2.407, 173.718



89, 2.407, 223.718

Sweetspot

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



89, 2.405, 353.746



99, 1.002, 353.254



89, 3.457, 314.723



53, 0.570, 353.220



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 2.405, 353.746



98, 3.006, 353.809



89, 1.865, 35.346



47, 2.092, 353.918



38, 66.100, 17.929



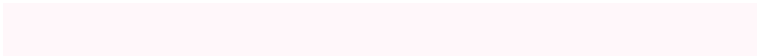
7, 26.704, 6.598

Inverse Universe

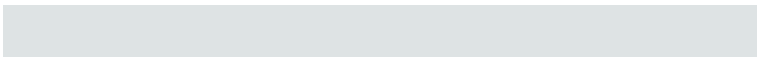
The Inverse Universe completely reimagines the original color for something new.



89, 2.405, 353.746



98, 3.006, 353.809



90, 1.838, 216.036



47, 2.092, 353.918



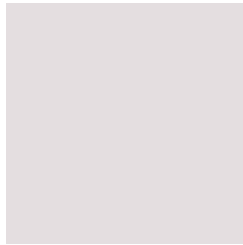
38, 66.100, 17.929



7, 26.704, 6.598

Previews

White Background



This preview shows how the CIELCh color 89, 2.407, 353.718 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 89, 2.407, 353.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

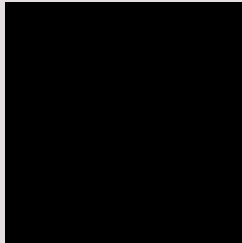
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

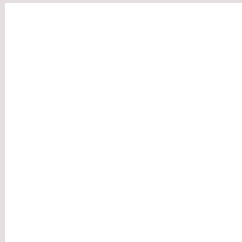
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.407, 353.718

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.407, 353.718.



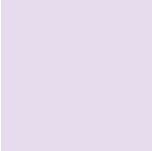
This preview shows how white text looks on a background with the CIELCh color 89, 2.407, 353.718.

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
89, 9.583, 312.374

Trichromacy



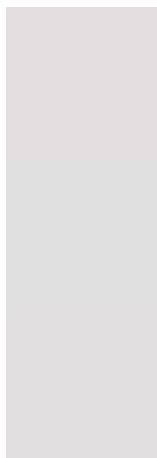
Original Color
89, 2.407, 353.718

Protanomaly
89, 2.089, 349.377

Deuteranomaly
89, 8.114, 353.312

Tritanomaly
89, 6.433, 316.757

Monochromacy



Original Color
89, 2.407, 353.718

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.897, 343.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.407, 353.718 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(228, 222, 224)` looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 224)  
}
```

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(228, 222, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.407, 353.718 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(228, 222, 224) }
```

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

```
.border{ border-color:rgb(228, 222, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 222, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 222, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 222, 224);  
box-shadow:4px 4px 4px 4px rgb(228, 222,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.407, 353.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 224) }
```

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

```
.background{ background-color: rgb(228,  
222, 224) }
```

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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