

Converting Colors

CIELCh(59, 58.728, 348.366)

Have a look what the booklet for
CIELCh(59, 58.728, 348.366)
contains.

CIELCh(59, 58.431, 348.525)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(59, 58.431, 348.525)

Conversions

Conversions Part 1

Format	Color
Hex	E160A4
RGB	225, 96, 164
RGB Percent	88%, 38%, 64%
CMY	0.1179, 0.6238, 0.3571
CMYK	0.00, 0.57, 0.27, 0.12
HSL	328°, 68%, 63%
HSV	328°, 57%, 88%
XYZ	41.9011, 27.0277, 38.0998
YIQ	142.3230, 55.0560, 48.4960

Conversions

Conversions Part 2

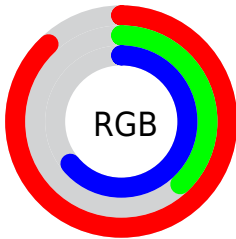
Format	Color
R _Y B	225, 96, 164
Decimal	14770340
CIE Lab	59.00, 57.26, -11.62
CIE LCh	59, 58.431, 348.525
Yxy	27.0277, 0.3915, 0.2525
Android (android.graphics.Color)	4292960420 (0xFFE160A4)
YUV	142.3230, 10.6868, 72.5077
Hunter-Lab	51.9882, 52.8869, -7.0592

Details

The CIELCh color **59, 58.431, 348.525** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **81, 55.877, 155.902**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 50.506, 339.660**, and **39, 58.155, 348.592** is the 20% darker color. If you saturate the color by 10%, you get **55, 66.247, 350.339**, and if you desaturate by 10%, it is **63, 49.217, 347.028**.

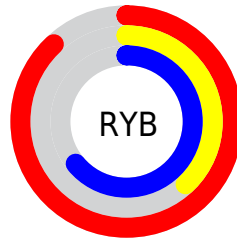
Distribution



Red (88%)

Green (38%)

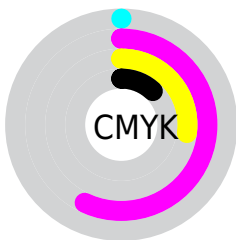
Blue (64%)



Red (88%)

Yellow (38%)

Blue (64%)

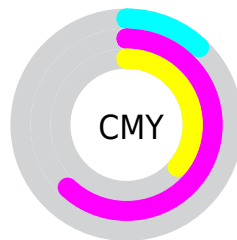


Cyan (0%)

Magenta (57%)

Yellow (27%)

Black (12%)



Cyan (12%)


Magenta (62%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 58.431, 348.525 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 59, 58.431, 348.525 by changing the saturation by 10% instead.


 59, 58.431,
348.525


 59, 58.431,
348.525


 100, 58.431,
348.525

 49, 58.431,
348.525


 79, 58.431,
348.525

 39, 58.431,
348.525

 89, 58.431,
348.525

 29, 58.431,
348.525

 99, 58.431,
348.525

 19, 58.431,
348.525

 9, 58.431, 348.525

 0, 58.431, 348.525

59, 58.431,
348.525

59, 58.431,
348.525

55, 66.247,
350.339

63, 49.217,
347.028

52, 72.142,
352.590

68, 39.147,
345.757

50, 75.755,
355.429

74, 28.654,
344.651

49, 77.162,
358.992

79, 18.057,
343.666

49, 77.394, 0.008

85, 7.568, 342.755

91, 2.686, 162.176

97, 12.635,
161.318

98, 10.802,
182.339

■ 98, 10.195,
198.827

Harmonies

Complementary

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



59, 58.431, 348.525



81, 55.877, 155.902

Rectangle

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



59, 58.431, 348.525



59, 58.431, 38.525



59, 58.431, 168.525



59, 58.431, 218.525

Sweetspot

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



59, 58.428, 348.526



89, 19.588, 343.644



53, 75.332, 310.998



46, 13.125, 343.835



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 58.428, 348.526



62, 74.415, 350.778



57, 55.673, 24.534



44, 5.852, 342.945



38, 64.536, 359.289



6, 26.724, 352.710

Inverse Universe

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



59, 58.428, 348.526



62, 74.415, 350.778



83, 37.299, 193.357



44, 5.852, 342.945



38, 64.536, 359.289



6, 26.724, 352.710

Previews

White Background



This preview shows how the CIELCh color 59, 58.431, 348.525 looks on a white background.

Color Contrast Check

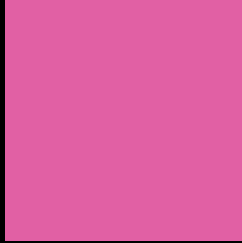
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 58.431, 348.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

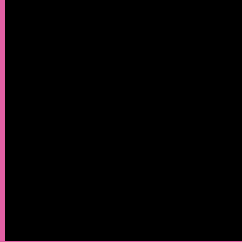
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 58.431, 348.525

Background



This preview shows how black text looks on a background with the CIELCh color 59, 58.431, 348.525.



This preview shows how white text looks on a background with the CIELCh color 59, 58.431, 348.525.

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](#).

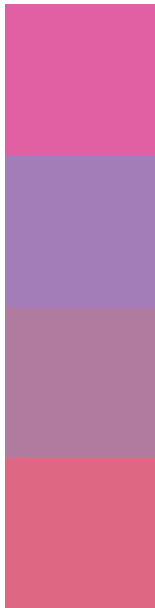
Dichromacy





Tritanopia
59, 48.370, 21.070

Trichromacy



Original Color
59, 58.431, 348.525

Protanomaly
58, 36.192, 315.311

Deuteranomaly
58, 29.197, 337.112

Tritanomaly
59, 49.691, 7.749

Monochromacy



Original Color
59, 58.431, 348.525

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 23.083, 344.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 58.431, 348.525 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(225, 96, 164)` looks like.

```
.text, #text, p{  
    color:rgb(225, 96, 164)  
}
```

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(225, 96, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 96, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 58.431, 348.525 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(225, 96, 164) }
```

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

```
.border{ border-color:rgb(225, 96, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 96, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 96, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 96, 164);  
box-shadow:4px 4px 4px 4px rgb(225, 96,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 58.431, 348.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 96, 164) }
```

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

```
.background{ background-color: rgb(225, 96,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor