

Converting Colors

CIELCh(57, 59.216, 299.714)

Have a look what the booklet for
CIELCh(57, 59.216, 299.714)
contains.

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Color

CIELCh(57, 59.397, 299.832)

Conversions

Conversions Part 1

Format	Color
Hex	877BE3
RGB	135, 123, 227
RGB Percent	53%, 48%, 89%
CMY	0.4699, 0.5171, 0.1091
CMYK	0.40, 0.46, 0.00, 0.11
HSL	247°, 65%, 69%
HSV	247°, 46%, 89%
XYZ	31.0078, 24.9227, 75.9704
YIQ	138.4440, -26.2320, 34.8880

Conversions

Conversions Part 2

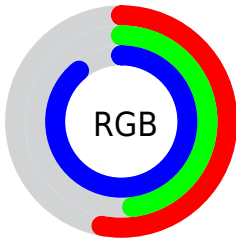
Format	Color
RYB	135, 123, 227
Decimal	8879075
CIELab	57.00, 29.55, -51.53
CIELCh	57, 59.397, 299.832
Yxy	24.9227, 0.2351, 0.1889
Android (android.graphics.Color)	4287069155 (0xFF877BE3)
YUV	138.4440, 43.6581, -3.0204
Hunter-Lab	49.9226, 23.5050, -55.2795

Details

The CIELCh color $57, 59.397, 299.832$ is a light color, and the websafe version is hex $6666CC$. A complement of this color would be $87, 52.696, 111.124$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 43.059, 300.702$, and $37, 59.494, 299.867$ is the 20% darker color. If you saturate the color by 10%, you get $50, 73.648, 301.392$, and if you desaturate by 10%, it is $64, 45.517, 298.422$.

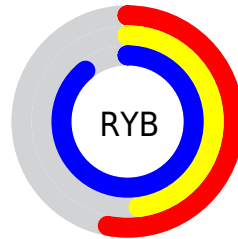
Distribution



Red (53%)

Green (48%)

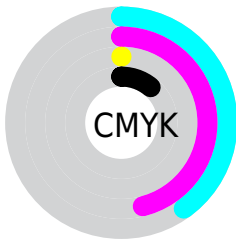
Blue (89%)



Red (53%)

Yellow (48%)

Blue (89%)

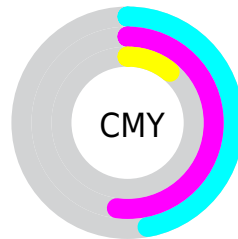


Cyan (40%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (47%)


Magenta (52%)


Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 59.397, 299.832 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 57, 59.397, 299.832 by changing the saturation by 10% instead.


 57, 59.397,
299.832


 57, 59.397,
299.832


 100, 59.397,
299.832


 47, 59.397,
299.832


 77, 59.397,
299.832

 37, 59.397,
299.832

 87, 59.397,
299.832

 27, 59.397,
299.832

 97, 59.397,
299.832

 17, 59.397,
299.832

 7, 59.397, 299.832

 0, 59.397, 299.832

57, 59.397,
299.832

57, 59.397,
299.832

50, 73.648,
301.392

64, 45.517,
298.422

43, 87.916,
303.027

72, 32.137,
297.182

37, 101.399,
304.585

79, 19.282,
296.109

33, 112.654,
305.821

86, 6.936, 295.190

30, 119.882,
306.465

93, 4.930, 114.394

99, 14.083,
109.113

29, 121.935,
306.634

Harmonies

Complementary

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



57, 59.397, 299.832



87, 52.696, 111.124

Rectangle

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



57, 59.397, 299.832



57, 59.397, 349.832



57, 59.397, 119.832



57, 59.397, 169.832

Sweetspot

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



57, 59.396, 299.832



89, 18.714, 295.942



81, 28.648, 208.751



46, 12.976, 296.156



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 59.396, 299.832



56, 79.687, 301.321



62, 61.245, 314.534



44, 6.908, 295.510



22, 101.709, 306.702



3, 33.902, 299.536

Inverse Universe

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



66, 60.521, 330.472



69, 78.032, 331.032



84, 58.250, 130.330



45, 7.672, 328.277



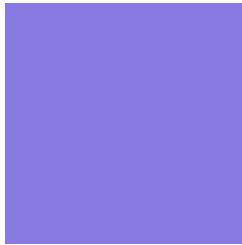
41, 80.789, 333.425



8, 34.376, 332.538

Previews

White Background



This preview shows how the CIELCh color 57, 59.397, 299.832 looks on a white background.

Color Contrast Check

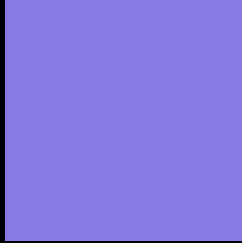
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 57, 59.397, 299.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

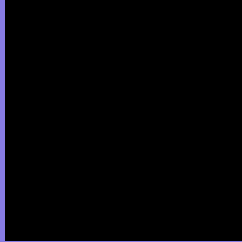
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 59.397, 299.832

Background



This preview shows how black text looks on a background with the CIELCh color 57, 59.397, 299.832.



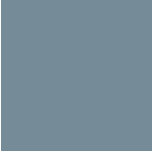
This preview shows how white text looks on a background with the CIELCh color 57, 59.397, 299.832.

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
57, 10.584, 239.329

Trichromacy



Original Color
57, 59.397, 299.832

Protanomaly
57, 59.227, 291.162

Deuteranomaly
57, 53.193, 287.268

Tritanomaly
57, 25.823, 285.727

Monochromacy



Original Color
57, 59.397, 299.832

Achromatopsia
58, 0.007, 296.813

Achromatomaly
57, 21.821, 297.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 59.397, 299.832 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(135, 123, 227)` looks like.

```
.text, #text, p{  
    color:rgb(135, 123, 227)  
}
```

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(135, 123, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 123, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 59.397, 299.832 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(135, 123, 227) }
```

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

```
.border{ border-color:rgb(135, 123, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 123, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 123, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 123, 227); box-shadow:4px 4px 4px 4px rgb(135, 123, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 59.397, 299.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 123, 227) }
```

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

```
.background{ background-color: rgb(135,  
123, 227) }
```

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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