

Converting Colors

CIELCh(55, 59.302, 298.908)

Have a look what the booklet for
CIELCh(55, 59.302, 298.908)
contains.

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Color

CIELCh(55, 59.116, 298.865)

Conversions

Conversions Part 1

Format	Color
Hex	7F77DE
RGB	127, 119, 222
RGB Percent	50%, 47%, 87%
CMY	0.5025, 0.5338, 0.1300
CMYK	0.43, 0.46, 0.00, 0.13
HSL	245°, 61%, 67%
HSV	245°, 46%, 87%
XYZ	28.4773, 22.9298, 71.9290
YIQ	133.1340, -28.2950, 33.7290

Conversions

Conversions Part 2

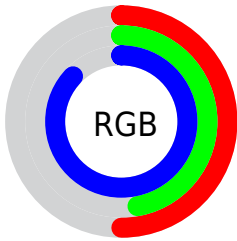
Format	Color
RYB	127, 119, 222
Decimal	8353758
CIELab	55.00, 28.54, -51.77
CIElCh	55, 59.116, 298.865
Yxy	22.9298, 0.2309, 0.1859
Android (android.graphics.Color)	4286543838 (0xFF7F77DE)
YUV	133.1340, 43.8109, -5.3795
Hunter-Lab	47.8851, 22.3552, -55.5408

Details

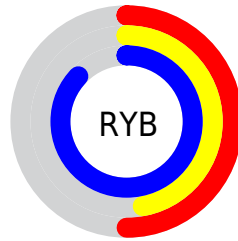
The CIELCh color **55, 59.116, 298.865** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **86, 52.226, 109.344**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 45.839, 299.349**, and **35, 58.712, 298.575** is the 20% darker color. If you saturate the color by 10%, you get **48, 73.176, 300.589**, and if you desaturate by 10%, it is **62, 45.446, 297.314**.

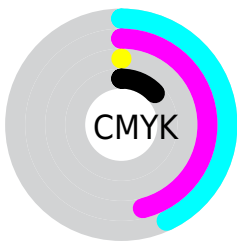
Distribution



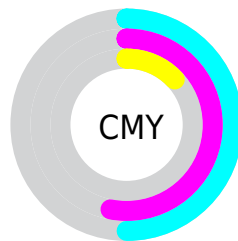
- Red (50%)
- Green (47%)
- Blue (87%)



- Red (50%)
- Yellow (47%)
- Blue (87%)



- Cyan (43%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)





- Cyan (50%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 59.116, 298.865 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 55, 59.116, 298.865 by changing the saturation by 10% instead.


 55, 59.116,
298.865


 55, 59.116,
298.865


 100, 59.116,
298.865


 45, 59.116,
298.865


 75, 59.116,
298.865


 35, 59.116,
298.865

 85, 59.116,
298.865

 25, 59.116,
298.865

 95, 59.116,
298.865

 15, 59.116,
298.865

 5, 59.116, 298.865

 0, 59.116, 298.865

■ 55, 59.116,
298.865

■ 55, 59.116,
298.865

■ 48, 73.176,
300.589

■ 62, 45.446,
297.314

■ 42, 87.266,
302.404

■ 69, 32.288,
295.958

■ 36, 100.553,
304.141

■ 77, 19.658,
294.791

■ 31, 111.522,
305.528

■ 84, 7.537, 293.795

■ 28, 118.352,
306.285

■ 91, 4.108, 112.929

■ 28, 120.065,
306.486

■ 98, 15.311,
112.209

■ 99, 16.765,
108.910

Harmonies

Complementary

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



55, 59.116, 298.865



86, 52.226, 109.344

Rectangle

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



55, 59.116, 298.865



55, 59.116, 348.865



55, 59.116, 118.865



55, 59.116, 168.865

Sweetspot

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



55, 59.115, 298.866



89, 18.680, 294.546



81, 29.255, 204.674



46, 12.953, 294.776



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 59.115, 298.866



55, 81.320, 300.592



60, 60.679, 313.512



43, 6.768, 294.080



21, 100.894, 306.537



2, 31.753, 297.710

Inverse Universe

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



65, 61.679, 329.240



69, 81.250, 329.767



83, 57.340, 129.206



44, 7.733, 327.117



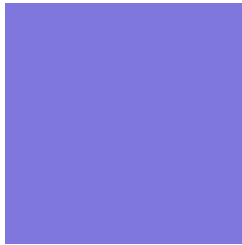
41, 82.343, 331.568



7, 34.104, 330.974

Previews

White Background



This preview shows how the CIELCh color 55, 59.116, 298.865 looks on a white background.

Color Contrast Check

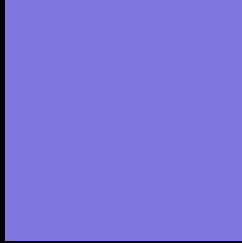
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 59.116, 298.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

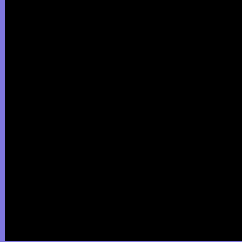
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 59.116, 298.865

Background



This preview shows how black text looks on a background with the CIELCh color 55, 59.116, 298.865.



This preview shows how white text looks on a background with the CIELCh color 55, 59.116, 298.865.

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


55, 59.116, 298.865

Protanopia

55, 59.242, 286.828

Deuteranopia

55, 50.918, 279.711



Tritanopia
55, 11.678, 231.549

Trichromacy



Original Color
55, 59.116, 298.865

Protanomaly
55, 59.024, 290.607

Deuteranomaly
55, 53.597, 286.881

Tritanomaly
55, 25.606, 282.010

Monochromacy



Original Color
55, 59.116, 298.865

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 21.344, 295.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 59.116, 298.865 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(127, 119, 222)` looks like.

```
.text, #text, p{  
    color:rgb(127, 119, 222)  
}
```

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(127, 119, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 119, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 59.116, 298.865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

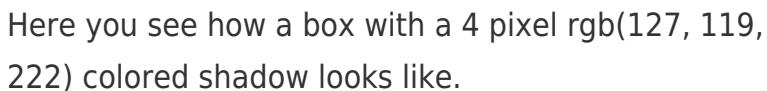
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 119, 222) }
```

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

```
.border{ border-color:rgb(127, 119, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 119, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 119, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 119, 222); box-shadow:4px 4px 4px 4px rgb(127, 119, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 59.116, 298.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 119, 222) }
```

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

```
.background{ background-color: rgb(127,  
119, 222) }
```

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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