

Converting Colors

CIELCh(59, 51.390, 296.643)

Have a look what the booklet for
CIELCh(59, 51.390, 296.643)
contains.

CIELCh(59, 51.582, 296.669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(59, 51.582, 296.669)

Conversions

Conversions Part 1

Format	Color
Hex	8784DF
RGB	135, 132, 223
RGB Percent	53%, 52%, 87%
CMY	0.4701, 0.4819, 0.1250
CMYK	0.39, 0.41, 0.00, 0.13
HSL	242°, 59%, 70%
HSV	242°, 41%, 87%
XYZ	31.6130, 27.0277, 73.4504
YIQ	143.2710, -27.4230, 28.9370

Conversions

Conversions Part 2

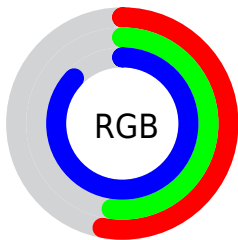
Format	Color
R _Y B	135, 132, 223
Decimal	8881375
CIE Lab	59.00, 23.15, -46.09
CIE LCh	59, 51.582, 296.669
Yxy	27.0277, 0.2393, 0.2046
Android (android.graphics.Color)	4287071455 (0xFF8784DF)
YUV	143.2710, 39.3064, -7.2537
Hunter-Lab	51.9882, 17.5631, -47.3748

Details

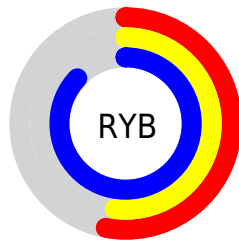
The CIELCh color **59, 51.582, 296.669** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87, 46.380, 107.765**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 37.668, 296.391**, and **39, 51.189, 296.498** is the 20% darker color. If you saturate the color by 10%, you get **52, 65.558, 298.483**, and if you desaturate by 10%, it is **66, 38.115, 295.078**.

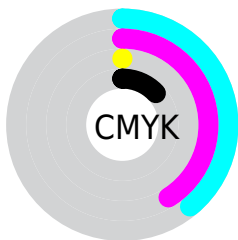
Distribution



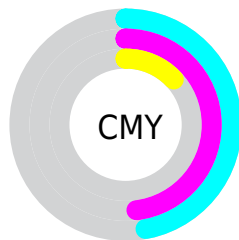
- Red (53%)
- Green (52%)
- Blue (87%)



- Red (53%)
- Yellow (52%)
- Blue (87%)



- Cyan (39%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)




- Cyan (47%)
- Magenta (48%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 51.582, 296.669 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, 51.582, 296.669 by changing the saturation by 10% instead.

 59, 51.582,
296.669

 59, 51.582,
296.669

 100, 51.582,
296.669

 49, 51.582,
296.669

 79, 51.582,
296.669

 39, 51.582,
296.669

 89, 51.582,
296.669

 29, 51.582,
296.669

 99, 51.582,
296.669

 19, 51.582,
296.669

 9, 51.582, 296.669

 0, 51.582, 296.669

■ 59, 51.582,
296.669

■ 59, 51.582,
296.669

■ 52, 65.558,
298.483

■ 66, 38.115,
295.078

■ 45, 79.856,
300.475

■ 74, 25.200,
293.711

■ 39, 93.930,
302.516

■ 81, 12.816,
292.546

■ 33, 106.599,
304.365

■ 88, 0.929, 291.612

■ 30, 115.989,
305.695

■ 96, 10.498,
110.704

■ 28, 120.821,
306.364

■ 99, 16.124,
108.959

Harmonies

Complementary

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



59, 51.582, 296.669



87, 46.380, 107.765

Rectangle

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



59, 51.582, 296.669



59, 51.582, 346.669



59, 51.582, 116.669



59, 51.582, 166.669

Sweetspot

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



59, 51.581, 296.669



90, 15.925, 292.687



83, 27.941, 199.175



47, 10.591, 292.833



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, 51.581, 296.669



60, 70.286, 298.212



63, 53.121, 311.655



43, 6.758, 292.404



21, 101.133, 306.391



2, 31.681, 296.633

Inverse Universe

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



68, 56.613, 327.570



72, 74.634, 327.996



84, 50.193, 127.742



44, 7.973, 325.839



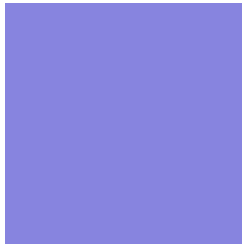
41, 85.261, 329.586



8, 35.143, 329.351

Previews

White Background



This preview shows how the CIELCh color 59, 51.582, 296.669 looks on a white background.

Color Contrast Check

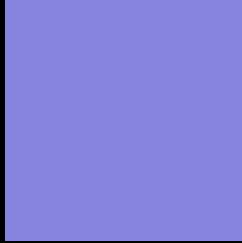
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 51.582, 296.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

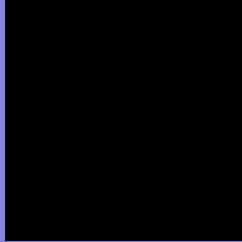
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 51.582, 296.669

Background



This preview shows how black text looks on a background with the CIELCh color 59, 51.582, 296.669.



This preview shows how white text looks on a background with the CIELCh color 59, 51.582, 296.669.

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

59, 51.582, 296.669

Protanopia

59, 51.193, 285.790

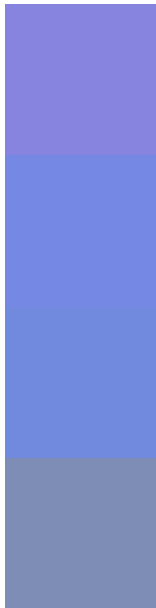
Deuteranopia

59, 45.470, 280.582



Tritanopia
59, 11.587, 234.831

Trichromacy



Original Color
59, 51.582, 296.669

Protanomaly
59, 51.550, 289.895

Deuteranomaly
59, 47.737, 286.950

Tritanomaly
59, 23.669, 279.787

Monochromacy



Original Color
59, 51.582, 296.669

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 18.743, 293.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 51.582, 296.669 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, 132, 223)` looks like.

```
.text, #text, p{  
    color:rgb(135, 132, 223)  
}
```

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, 132, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 132, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 51.582, 296.669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

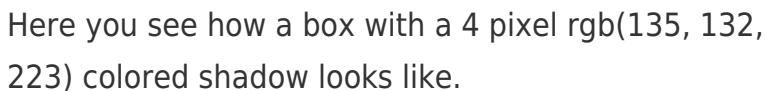
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 132, 223) }
```

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

```
.border{ border-color:rgb(135, 132, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 132, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 132, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 132, 223); box-shadow:4px 4px 4px 4px rgb(135, 132, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 51.582, 296.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 132, 223) }
```

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

```
.background{ background-color: rgb(135,  
132, 223) }
```

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