

Converting Colors

CIELCh(59, 66.941, 290.303)

Have a look what the booklet for
CIELCh(59, 66.941, 290.303)
contains.

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Color

CIELCh(59, 66.685, 290.066)

Conversions

Conversions Part 1

Format	Color
Hex	6487FD
RGB	100, 135, 253
RGB Percent	39%, 53%, 99%
CMY	0.6090, 0.4715, 0.0089
CMYK	0.61, 0.47, 0.00, 0.01
HSL	226°, 97%, 69%
HSV	226°, 61%, 99%
XYZ	31.5386, 27.0277, 96.2536
YIQ	137.9870, -58.7380, 29.2780

Conversions

Conversions Part 2

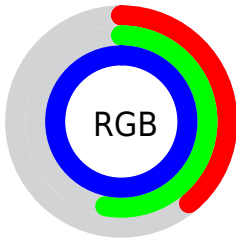
Format	Color
RYB	100, 128, 253
Decimal	6588413
CIELab	59.00, 22.88, -62.64
CIELCh	59, 66.685, 290.066
Yxy	27.0277, 0.2037, 0.1746
Android (android.graphics.Color)	4284778493 (0xFF6487FD)
YUV	137.9870, 56.7014, -33.3146
Hunter-Lab	51.9882, 17.3075, -73.3807

Details

The CIELCh color **59, 66.685, 290.066** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **88, 61.215, 90.996**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 36.550, 281.027**, and **39, 66.955, 290.158** is the 20% darker color. If you saturate the color by 10%, you get **53, 78.980, 293.026**, and if you desaturate by 10%, it is **65, 54.771, 287.409**.

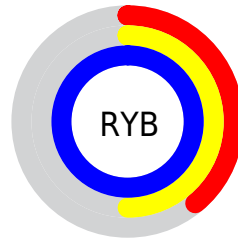
Distribution



Red (39%)

Green (53%)

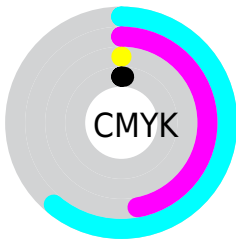
Blue (99%)



Red (39%)

Yellow (50%)

Blue (99%)

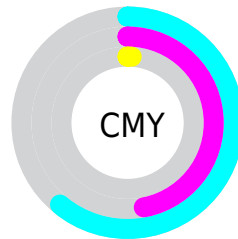


Cyan (61%)

Magenta (47%)

Yellow (0%)

Black (1%)



Cyan (61%)


Magenta (47%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 66.685, 290.066 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, 66.685, 290.066 by changing the saturation by 10% instead.


 59, 66.685,
290.066


 59, 66.685,
290.066


 100, 66.685,
290.066

 49, 66.685,
290.066


 79, 66.685,
290.066

 39, 66.685,
290.066

 89, 66.685,
290.066

 29, 66.685,
290.066

 99, 66.685,
290.066

 19, 66.685,
290.066

 9, 66.685, 290.066

 0, 66.685, 290.066

■ 59, 66.685,
290.066

■ 59, 66.685,
290.066

■ 53, 78.980,
293.026

■ 65, 54.771,
287.409

■ 47, 91.498,
296.173

■ 72, 43.256,
285.087

■ 42, 103.786,
299.304

■ 79, 32.111,
283.089

■ 38, 114.426,
301.960

■ 85, 21.299,
281.382

■ 92, 10.791,
279.931

■ 99, 0.564, 279.029

■ 100, 1.142,
110.025

Harmonies

Complementary

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



59, 66.685, 290.066



88, 61.215, 90.996

Rectangle

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



59, 66.685, 290.066



59, 66.685, 340.066



59, 66.685, 110.066



59, 66.685, 160.066

Sweetspot

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



59, 66.685, 290.067



88, 18.730, 280.991



91, 49.092, 174.084



45, 13.066, 281.441



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, 66.685, 290.067



52, 82.642, 293.797



54, 87.440, 305.786



50, 5.851, 279.794



28, 91.386, 301.490



6, 36.525, 296.670

Inverse Universe

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



63, 62.141, 10.806



59, 74.027, 15.011



94, 75.267, 117.123



50, 5.489, 1.905



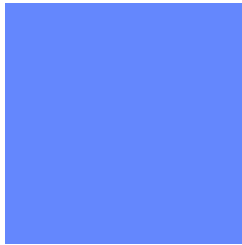
40, 73.557, 27.337



10, 31.815, 17.196

Previews

White Background



This preview shows how the CIELCh color 59, 66.685, 290.066 looks on a white background.

Color Contrast Check

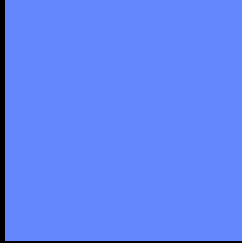
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.685, 290.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

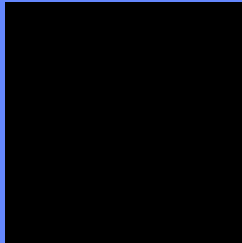
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

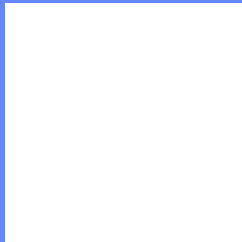
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 66.685, 290.066

Background



This preview shows how black text looks on a background with the CIELCh color 59, 66.685, 290.066.



This preview shows how white text looks on a background with the CIELCh color 59, 66.685, 290.066.

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, 66.685, 290.066

Protanopia

59, 66.948, 287.140

Deuteranopia

59, 62.494, 279.017



Tritanopia
59, 27.686, 212.778

Trichromacy



Original Color
59, 66.685, 290.066

Protanomaly
59, 66.856, 288.238

Deuteranomaly
59, 64.185, 282.559

Tritanomaly
58, 33.919, 257.822

Monochromacy



Original Color
59, 66.685, 290.066

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 24.728, 282.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 66.685, 290.066 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(100, 135, 253)` looks like.

```
.text, #text, p{  
    color:rgb(100, 135, 253)  
}
```

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(100, 135, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 135, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 66.685, 290.066 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(100, 135, 253) }
```

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

```
.border{ border-color:rgb(100, 135, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 135, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 135, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 135, 253);  
box-shadow:4px 4px 4px 4px rgb(100, 135,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 66.685, 290.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 135, 253) }
```

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

```
.background{ background-color: rgb(100,  
135, 253) }
```

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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