

Converting Colors

CIELCh(49, 85.282, 297.735)

Have a look what the booklet for
CIELCh(49, 85.282, 297.735)
contains.

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Color

CIELCh(49, 85.182, 297.670)

Conversions

Conversions Part 1

Format	Color
Hex	5364F7
RGB	83, 100, 247
RGB Percent	33%, 39%, 97%
CMY	0.6726, 0.6093, 0.0331
CMYK	0.66, 0.60, 0.00, 0.03
HSL	234°, 91%, 65%
HSV	234°, 66%, 97%
XYZ	24.8528, 17.5941, 89.7302
YIQ	111.6750, -57.3190, 42.1130

Conversions

Conversions Part 2

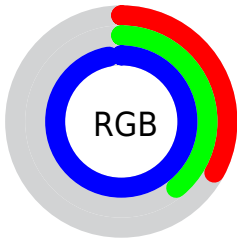
Format	Color
R _Y B	83, 98, 247
Decimal	5465335
CIE Lab	49.00, 39.56, -75.44
CIE LCh	49, 85.182, 297.670
Yxy	17.5941, 0.1880, 0.1331
Android (android.graphics.Color)	4283655415 (0xFF5364F7)
YUV	111.6750, 66.7152, -25.1480
Hunter-Lab	41.9453, 32.3579, -97.4726

Details

The CIELCh color **49, 85.182, 297.670** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **90, 71.393, 98.828**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.514, 295.229**, and **30, 84.036, 299.095** is the 20% darker color. If you saturate the color by 10%, you get **43, 99.298, 300.273**, and if you desaturate by 10%, it is **56, 71.007, 295.168**.

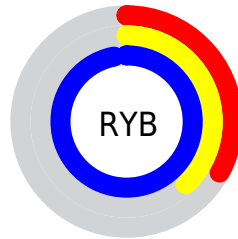
Distribution



Red (33%)

Green (39%)

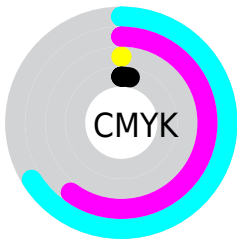
Blue (97%)



Red (33%)

Yellow (38%)

Blue (97%)

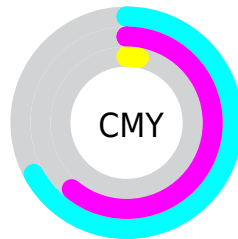


Cyan (66%)

Magenta (60%)

Yellow (0%)

Black (3%)



Cyan (67%)

Magenta (61%)

Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 85.182, 297.670 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 49, 85.182, 297.670 by changing the saturation by 10% instead.


 49, 85.182,
297.670


 49, 85.182,
297.670


 100, 85.182,
297.670

 39, 85.182,
297.670


 69, 85.182,
297.670


 29, 85.182,
297.670

 79, 85.182,
297.670

 19, 85.182,
297.670

 89, 85.182,
297.670

 9, 85.182, 297.670

 99, 85.182,
297.670

 0, 85.182, 297.670

 49, 85.182,

 49, 85.182,

297.670

297.670

■ 43, 99.298,
300.273

■ 56, 71.007,
295.168

■ 37, 112.353,
302.724

■ 63, 57.211,
292.900

■ 34, 122.696,
304.698

■ 70, 43.927,
290.915

■ 33, 125.625,
305.243

■ 78, 31.164,
289.211

■ 85, 18.890,
287.759

■ 93, 7.067, 286.533

■ 100, 4.266,
109.841

Harmonies

Complementary

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



49, 85.182, 297.670



90, 71.393, 98.828

Rectangle

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



49, 85.182, 297.670



49, 85.182, 347.670



49, 85.182, 117.670



49, 85.182, 167.670

Sweetspot

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



49, 85.182, 297.671



85, 24.221, 288.296



89, 45.710, 185.699



43, 16.612, 288.706



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 85.182, 297.671



42, 106.055, 301.037



51, 93.321, 309.636



47, 6.535, 286.918



24, 100.783, 304.981



4, 37.159, 298.071

Inverse Universe

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



59, 68.218, 22.497



56, 83.287, 27.501



90, 81.828, 122.594



48, 5.114, 11.951



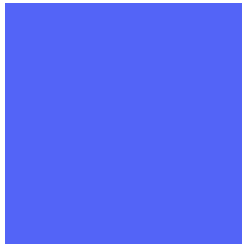
39, 78.347, 35.915



8, 30.443, 21.000

Previews

White Background



This preview shows how the CIELCh color 49, 85.182, 297.670 looks on a white background.

Color Contrast Check

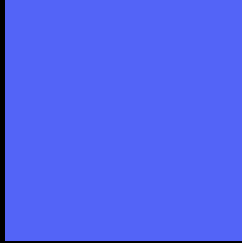
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 85.182, 297.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

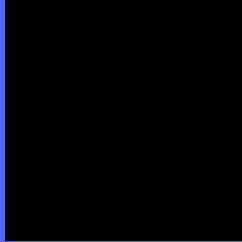
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 85.182, 297.670

Background



This preview shows how black text looks on a background with the CIELCh color 49, 85.182, 297.670.



This preview shows how white text looks on a background with the CIELCh color 49, 85.182, 297.670.

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
49, 29.024, 208.495

Trichromacy



Original Color
49, 85.201, 297.558

Protanomaly
48, 77.845, 290.546

Deuteranomaly
48, 63.353, 284.702

Tritanomaly
48, 38.535, 264.301

Monochromacy



Original Color
49, 85.201, 297.558

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 31.364, 290.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 85.182, 297.670 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(83, 100, 247)` looks like.

```
.text, #text, p{  
    color:rgb(83, 100, 247)  
}
```

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(83, 100, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 100, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 85.182, 297.670 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(83, 100, 247) }
```

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

```
.border{ border-color:rgb(83, 100, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 100, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 100, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 100, 247);  
box-shadow:4px 4px 4px 4px rgb(83, 100,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 85.182, 297.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 100, 247) }
```

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

```
.background{ background-color: rgb(83, 100,  
247) }
```

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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