

Converting Colors

CIELCh(49, 67.190, 293.843)

Have a look what the booklet for
CIELCh(49, 67.190, 293.843)
contains.

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Color

CIELCh(49, 67.073, 293.764)

Conversions

Conversions Part 1

Format	Color
Hex	556BDE
RGB	85, 107, 222
RGB Percent	33%, 42%, 87%
CMY	0.6686, 0.5819, 0.1312
CMYK	0.62, 0.52, 0.00, 0.13
HSL	230°, 67%, 60%
HSV	230°, 62%, 87%
XYZ	22.0443, 17.5941, 71.0282
YIQ	113.5320, -50.0270, 31.1010

Conversions

Conversions Part 2

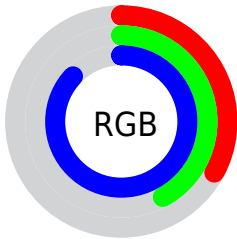
Format	Color
R _Y B	85, 104, 222
Decimal	5598174
CIE Lab	49.00, 27.03, -61.39
CIE LCh	49, 67.073, 293.764
Yxy	17.5941, 0.1992, 0.1590
Android (android.graphics.Color)	4283788254 (0xFF556BDE)
YUV	113.5320, 53.4747, -25.0226
Hunter-Lab	41.9453, 20.4061, -71.0373

Details

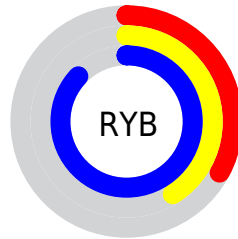
The CIELCh color **49, 67.073, 293.764** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **80, 59.031, 95.505**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 53.401, 291.719**, and **29, 67.177, 294.639** is the 20% darker color. If you saturate the color by 10%, you get **43, 79.245, 296.523**, and if you desaturate by 10%, it is **55, 55.205, 291.243**.

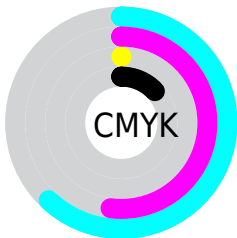
Distribution



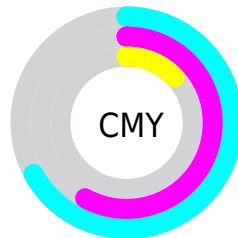
- Red (33%)
- Green (42%)
- Blue (87%)



- Red (33%)
- Yellow (41%)
- Blue (87%)



- Cyan (62%)
- Magenta (52%)
- Yellow (0%)
- Black (13%)



- Cyan (67%)
- Magenta (58%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 67.073, 293.764 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, 67.073, 293.764 by changing the saturation by 10% instead.

 49, 67.073,
293.764


 49, 67.073,
293.764


 100, 67.073,
293.764


 39, 67.073,
293.764

 69, 67.073,
293.764

 29, 67.073,
293.764

 79, 67.073,
293.764

 19, 67.073,
293.764

 89, 67.073,
293.764

 9, 67.073, 293.764

 99, 67.073,
293.764

 0, 67.073, 293.764

 49, 67.073,

 49, 67.073,

293.764

293.764

■ 43, 79.245,
296.523

■ 55, 55.205,
291.243

■ 38, 91.364,
299.364

■ 61, 43.752,
289.017

■ 33, 102.634,
302.040

■ 68, 32.716,
287.094

■ 31, 110.359,
303.847

■ 74, 22.072,
285.449

■ 81, 11.784,
284.048

■ 87, 1.825, 282.914

■ 93, 7.829, 101.783

■ 99, 16.916,
108.899

Harmonies

Complementary

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



49, 67.073, 293.764



80, 59.031, 95.505

Rectangle

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



49, 67.073, 293.764



49, 67.073, 343.764



49, 67.073, 113.764



49, 67.073, 163.764

Sweetspot

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



49, 67.073, 293.765



86, 21.410, 285.047



81, 42.404, 179.729



44, 14.805, 285.475



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, 67.073, 293.765



48, 91.831, 297.298



48, 80.220, 307.576



43, 5.575, 283.742



23, 90.776, 303.484



3, 26.317, 291.171

Inverse Universe

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



55, 57.462, 16.303



58, 76.339, 20.764



83, 69.924, 119.959



43, 4.736, 7.033



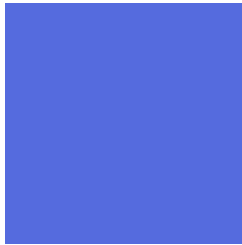
36, 71.220, 31.943



5, 23.724, 13.295

Previews

White Background



This preview shows how the CIE LCh color 49, 67.073, 293.764 looks on a white background.

Color Contrast Check

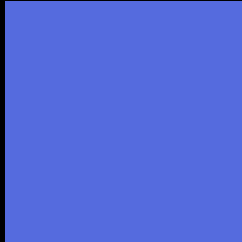
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.073, 293.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

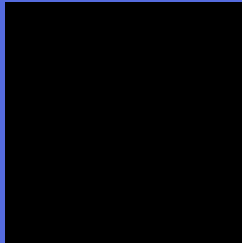
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 67.073, 293.764

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.073, 293.764.



This preview shows how white text looks on a background with the CIELCh color 49, 67.073, 293.764.

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, 25.072, 212.175

Trichromacy



Original Color
49, 67.073, 293.764

Protanomaly
49, 67.365, 289.386

Deuteranomaly
48, 58.384, 282.037

Tritanomaly
48, 31.955, 261.574

Monochromacy



Original Color
49, 67.073, 293.764

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 24.284, 286.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.073, 293.764 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(85, 107, 222)` looks like.

```
.text, #text, p{  
    color:rgb(85, 107, 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(85, 107, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.073, 293.764 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(85, 107, 222) }
```

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

```
.border{ border-color:rgb(85, 107, 222) }
```

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

Here you see how a box with a 4 pixel rgb(85, 107, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 222);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.073, 293.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 222) }
```

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

```
.background{ background-color: rgb(85, 107,  
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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