

Converting Colors

CIELCh(48, 68.772, 294.552)

Have a look what the booklet for
CIELCh(48, 68.772, 294.552)
contains.

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Color

CIELCh(48, 69.068, 294.672)

Conversions

Conversions Part 1

Format	Color
Hex	5367DD
RGB	83, 103, 221
RGB Percent	33%, 40%, 87%
CMY	0.6739, 0.5957, 0.1328
CMYK	0.62, 0.53, 0.00, 0.13
HSL	231°, 67%, 60%
HSV	231°, 62%, 87%
XYZ	21.5087, 16.7945, 70.6024
YIQ	110.4720, -49.7980, 32.4580

Conversions

Conversions Part 2

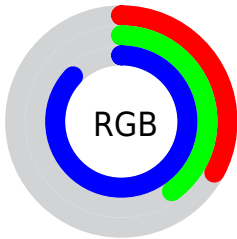
Format	Color
R_{YB}	83, 100, 221
Decimal	5466077
CIE Lab	48.00, 28.83, -62.76
CIE LCh	48, 69.068, 294.672
Yxy	16.7945, 0.1975, 0.1542
Android (android.graphics.Color)	4283656157 (0xFF5367DD)
YUV	110.4720, 54.4903, -24.0929
Hunter-Lab	40.9810, 21.9681, -73.4585

Details

The CIELCh color **48, 69.068, 294.672** 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 **81, 60.157, 96.503**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 55.767, 292.760**, and **28, 68.637, 295.587** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.477, 297.388**, and if you desaturate by 10%, it is **54, 56.927, 292.172**.

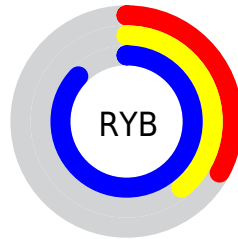
Distribution



Red (33%)

Green (40%)

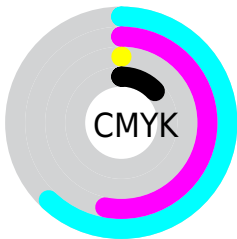
Blue (87%)



Red (33%)

Yellow (39%)

Blue (87%)

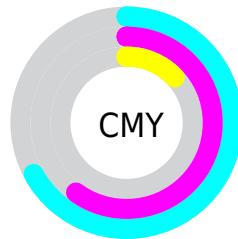


Cyan (62%)

Magenta (53%)

Yellow (0%)

Black (13%)



Cyan (67%)

Magenta (60%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 69.068, 294.672 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 48, 69.068, 294.672 by changing the saturation by 10% instead.


 48, 69.068,
294.672


 48, 69.068,
294.672


 100, 69.068,
294.672


 38, 69.068,
294.672

 68, 69.068,
294.672

 28, 69.068,
294.672

 78, 69.068,
294.672

 18, 69.068,
294.672


 88, 69.068,
294.672

 8, 69.068, 294.672

 98, 69.068,
294.672

 0, 69.068, 294.672

 48, 69.068,

 48, 69.068,

294.672

■ 42, 81.477,
297.388

■ 37, 93.710,
300.150

■ 33, 104.835,
302.693

■ 30, 111.747,
304.251

294.672

■ 54, 56.927,
292.172

■ 61, 45.203,
289.958

■ 67, 33.916,
288.041

■ 74, 23.040,
286.400

■ 80, 12.543,
285.004

■ 87, 2.394, 283.853

■ 93, 7.433, 102.751

■ 99, 16.846,
108.179

■ 99, 17.132,
108.882

Harmonies

Complementary

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



48, 69.068, 294.672



81, 60.157, 96.503

Rectangle

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



48, 69.068, 294.672



48, 69.068, 344.672



48, 69.068, 114.672



48, 69.068, 164.672

Sweetspot

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



48, 69.068, 294.673



86, 21.821, 285.922



81, 42.019, 181.209



44, 15.092, 286.346



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 69.068, 294.673



47, 95.159, 298.278



47, 80.780, 308.055



43, 5.679, 284.632



23, 92.133, 303.917



3, 26.651, 291.601

Inverse Universe

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



55, 58.074, 17.742



58, 77.760, 22.453



83, 70.599, 120.638



43, 4.715, 8.334



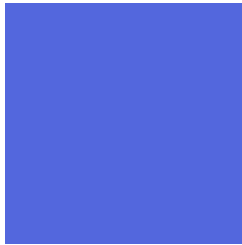
36, 72.010, 33.039



5, 23.721, 14.018

Previews

White Background



This preview shows how the CIE LCh color 48, 69.068, 294.672 looks on a white background.

Color Contrast Check

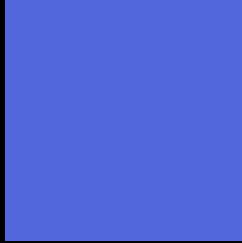
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 69.068, 294.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

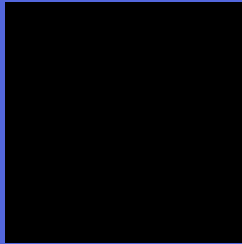
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 69.068, 294.672

Background



This preview shows how black text looks on a background with the CIELCh color 48, 69.068, 294.672.




This preview shows how white text looks on a background with the CIELCh color 48, 69.068, 294.672.

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
48, 25.409, 210.550

Trichromacy



Original Color
48, 69.068, 294.672

Protanomaly
48, 69.944, 289.648

Deuteranomaly
47, 58.526, 282.675

Tritanomaly
47, 32.449, 262.709

Monochromacy



Original Color
48, 69.068, 294.672

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 25.541, 288.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 69.068, 294.672 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, 103, 221)` looks like.

```
.text, #text, p{  
    color:rgb(83, 103, 221)  
}
```

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, 103, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 103, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 69.068, 294.672 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, 103, 221) }
```

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

```
.border{ border-color:rgb(83, 103, 221) }
```

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

Here you see how a box with a 4 pixel rgb(83, 103, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 103, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 103, 221);  
box-shadow:4px 4px 4px 4px rgb(83, 103,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 69.068, 294.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 103, 221) }
```

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

```
.background{ background-color: rgb(83, 103,  
221) }
```

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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