

Converting Colors

CIELCh(49, 82.451, 301.448)

Have a look what the booklet for
CIELCh(49, 82.451, 301.448)
contains.

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Color

CIELCh(49, 82.960, 301.580)

Conversions

Conversions Part 1

Format	Color
Hex	6C5FEE
RGB	108, 95, 238
RGB Percent	42%, 37%, 93%
CMY	0.5757, 0.6269, 0.0660
CMYK	0.55, 0.60, 0.00, 0.07
HSL	245°, 81%, 65%
HSV	245°, 60%, 93%
XYZ	25.7706, 17.5941, 83.0606
YIQ	115.1890, -38.1550, 47.2290

Conversions

Conversions Part 2

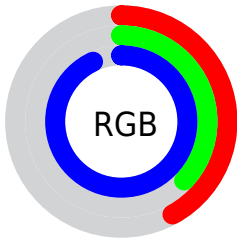
Format	Color
R _Y B	108, 95, 238
Decimal	7102446
CIE Lab	49.00, 43.45, -70.67
CIE LCh	49, 82.960, 301.580
Yxy	17.5941, 0.2038, 0.1392
Android (android.graphics.Color)	4285292526 (0xFF6C5FEE)
YUV	115.1890, 60.5458, -6.3048
Hunter-Lab	41.9453, 36.2638, -88.0452

Details

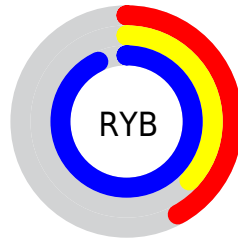
The CIELCh color **49, 82.960, 301.580** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **91, 69.620, 109.035**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 60.732, 302.259**, and **29, 82.804, 301.506** is the 20% darker color. If you saturate the color by 10%, you get **42, 97.650, 303.330**, and if you desaturate by 10%, it is **56, 68.018, 299.863**.

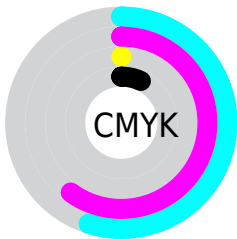
Distribution



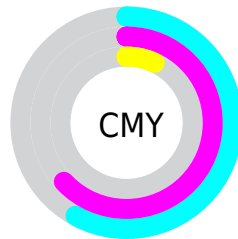
- Red (42%)
- Green (37%)
- Blue (93%)



- Red (42%)
- Yellow (37%)
- Blue (93%)



- Cyan (55%)
- Magenta (60%)
- Yellow (0%)
- Black (7%)




- Cyan (58%)
- Magenta (63%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 82.960, 301.580 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, 82.960, 301.580 by changing the saturation by 10% instead.


 49, 82.960,
301.580


 49, 82.960,
301.580


 100, 82.960,
301.580


 39, 82.960,
301.580

 69, 82.960,
301.580


 29, 82.960,
301.580

 79, 82.960,
301.580

 19, 82.960,
301.580

 89, 82.960,
301.580

 9, 82.960, 301.580

 99, 82.960,
301.580

 0, 82.960, 301.580

 49, 82.960,

 49, 82.960,

301.580

42, 97.650,
303.330

37, 110.942,
304.904

33, 121.006,
306.012

30, 126.594,
306.521

301.580

56, 68.018,
299.863

64, 53.371,
298.287

71, 39.227,
296.895

79, 25.638,
295.688

87, 12.597,
294.654

94, 0.074, 294.224

100, 8.517,
109.531

Harmonies

Complementary

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



49, 82.960, 301.580



91, 69.620, 109.035

Rectangle

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



49, 82.960, 301.580



49, 82.960, 351.580



49, 82.960, 121.580



49, 82.960, 171.580

Sweetspot

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



49, 82.960, 301.581



86, 24.227, 295.469



84, 36.327, 207.186



43, 16.936, 295.793



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, 82.960, 301.581



44, 106.112, 303.703



56, 82.814, 314.567



46, 7.150, 294.600



22, 104.059, 306.580



3, 38.043, 300.877

Inverse Universe

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



63, 80.622, 330.436



63, 96.546, 331.048



87, 77.238, 129.224



47, 8.087, 327.530



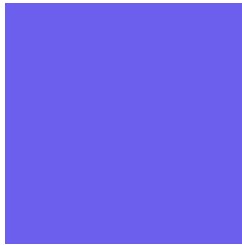
43, 84.065, 332.229



10, 37.064, 331.625

Previews

White Background



This preview shows how the CIELCh color 49, 82.960, 301.580 looks on a white background.

Color Contrast Check

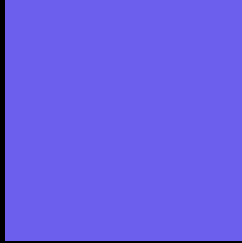
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.960, 301.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

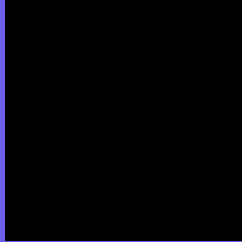
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 82.960, 301.580

Background



This preview shows how black text looks on a background with the CIELCh color 49, 82.960, 301.580.



This preview shows how white text looks on a background with the CIELCh color 49, 82.960, 301.580.

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

49, 82.960, 301.580

Protanopia

49, 73.327, 287.383

Deuteranopia

49, 52.827, 275.715



Tritanopia
49, 18.411, 216.493

Trichromacy



Original Color
49, 82.960, 301.580



Protanomaly
48, 76.735, 290.926



Deuteranomaly
48, 63.876, 286.047



Tritanomaly
48, 34.766, 280.251

Monochromacy



Original Color
49, 82.960, 301.580



Achromatopsia
48, 0.006, 296.813



Achromatomaly
48, 30.800, 297.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 82.960, 301.580 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(108, 95, 238)` looks like.

```
.text, #text, p{  
    color:rgb(108, 95, 238)  
}
```

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(108, 95, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 95, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 82.960, 301.580 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(108, 95, 238) }
```

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

```
.border{ border-color:rgb(108, 95, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 95, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 95, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 95, 238);  
box-shadow:4px 4px 4px 4px rgb(108, 95,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 82.960, 301.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 95, 238) }
```

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

```
.background{ background-color: rgb(108, 95,  
238) }
```

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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