

Converting Colors

CIELCh(49, 81.313, 293.728)

Have a look what the booklet for
CIELCh(49, 81.313, 293.728)
contains.

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Color

CIELCh(49, 81.430, 293.716)

Conversions

Conversions Part 1

Format	Color
Hex	3B69F5
RGB	59, 105, 245
RGB Percent	23%, 41%, 96%
CMY	0.7692, 0.5886, 0.0397
CMYK	0.76, 0.57, 0.00, 0.04
HSL	225°, 90%, 60%
HSV	225°, 76%, 96%
XYZ	23.2994, 17.5941, 88.4627
YIQ	107.2060, -72.3560, 33.7880

Conversions

Conversions Part 2

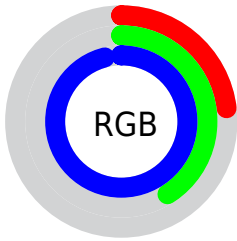
Format	Color
R_{YB}	59, 96, 245
Decimal	3893749
CIE _{Lab}	49.00, 32.75, -74.55
CIE _{LCh}	49, 81.430, 293.716
Yxy	17.5941, 0.1801, 0.1360
Android (android.graphics.Color)	4282083829 (0xFF3B69F5)
YUV	107.2060, 67.9324, -42.2767
Hunter-Lab	41.9453, 25.7473, -95.6811

Details

The CIELCh color **49, 81.430, 293.716** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **82, 71.505, 87.448**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.815, 288.744**, and **31, 80.283, 297.695** is the 20% darker color. If you saturate the color by 10%, you get **44, 93.330, 296.971**, and if you desaturate by 10%, it is **55, 69.631, 290.581**.

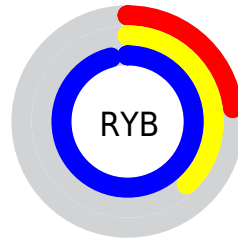
Distribution



Red (23%)

Green (41%)

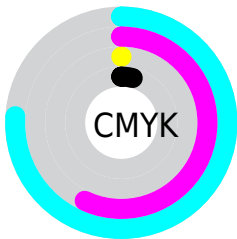
Blue (96%)



Red (23%)

Yellow (38%)

Blue (96%)

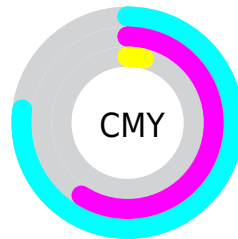


Cyan (76%)

Magenta (57%)

Yellow (0%)

Black (4%)



Cyan (77%)

Magenta (59%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 81.430, 293.716 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, 81.430, 293.716 by changing the saturation by 10% instead.


 49, 81.430,
293.716


 49, 81.430,
293.716


 100, 81.430,
293.716


 39, 81.430,
293.716

 69, 81.430,
293.716


 29, 81.430,
293.716

 79, 81.430,
293.716

 19, 81.430,
293.716

 89, 81.430,
293.716

 9, 81.430, 293.716

 99, 81.430,
293.716

 0, 81.430, 293.716

 49, 81.430,

 49, 81.430,

293.716

■ 44, 93.330,
296.971

■ 39, 104.784,
300.101

■ 38, 109.096,
301.224

293.716

■ 55, 69.631,
290.581

■ 61, 58.156,
287.714

■ 67, 47.052,
285.180

■ 73, 36.297,
282.987

■ 80, 25.857,
281.108

■ 86, 15.700,
279.506

■ 93, 5.803, 278.154

■ 99, 3.849, 96.880

100, 5.117,
109.780

Harmonies

Complementary

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



49, 81.430, 293.716



82, 71.505, 87.448

Rectangle

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



49, 81.430, 293.716



49, 81.430, 343.716



49, 81.430, 113.716



49, 81.430, 163.716

Sweetspot

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



49, 81.430, 293.717



85, 23.573, 280.613



87, 56.616, 170.325



43, 16.393, 281.230



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, 81.430, 293.717



43, 102.515, 298.640



42, 106.716, 306.892



48, 5.542, 278.600



28, 87.384, 300.720



6, 32.775, 294.507

Inverse Universe

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



56, 73.728, 14.633



55, 86.165, 21.895



91, 86.945, 116.175



48, 5.348, 0.542



39, 71.220, 25.707



9, 29.825, 14.311

Previews

White Background



This preview shows how the CIE LCh color 49, 81.430, 293.716 looks on a white background.

Color Contrast Check

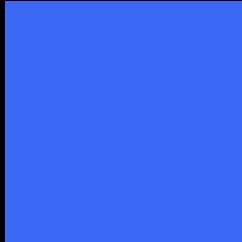
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.430, 293.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

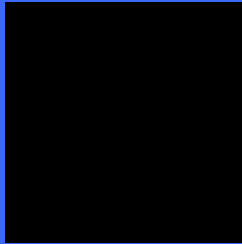
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 81.430, 293.716

Background



This preview shows how black text looks on a background with the CIELCh color 49, 81.430, 293.716.



This preview shows how white text looks on a background with the CIELCh color 49, 81.430, 293.716.

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, 81.430, 293.716

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 52.332, 275.584



Tritanopia
49, 29.075, 207.251

Trichromacy



Original Color
49, 81.430, 293.716

Protanomaly
49, 76.139, 289.346

Deuteranomaly
48, 62.868, 283.726

Tritanomaly
48, 37.628, 260.639

Monochromacy



Original Color
49, 81.430, 293.716

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 30.608, 284.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 81.430, 293.716 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(59, 105, 245)` looks like.

```
.text, #text, p{  
    color:rgb(59, 105, 245)  
}
```

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(59, 105, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 105, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 81.430, 293.716 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(59, 105, 245) }
```

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

```
.border{ border-color:rgb(59, 105, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 105, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 105, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 105, 245);  
box-shadow:4px 4px 4px 4px rgb(59, 105,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 81.430, 293.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 105, 245) }
```

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

```
.background{ background-color: rgb(59, 105,  
245) }
```

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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