

Converting Colors

CIELCh(49, 84.790, 294.353)

Have a look what the booklet for
CIELCh(49, 84.790, 294.353)
contains.

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Color

CIELCh(49, 84.795, 294.356)

Conversions

Conversions Part 1

Format	Color
Hex	3968FA
RGB	57, 104, 250
RGB Percent	22%, 41%, 98%
CMY	0.7782, 0.5931, 0.0207
CMYK	0.77, 0.58, 0.00, 0.02
HSL	225°, 95%, 60%
HSV	225°, 77%, 98%
XYZ	23.7984, 17.5941, 92.3508
YIQ	106.5910, -74.8780, 35.4420

Conversions

Conversions Part 2

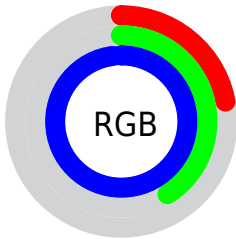
Format	Color
RYP	57, 95, 250
Decimal	3762426
CIELab	49.00, 34.97, -77.25
CIElCh	49, 84.795, 294.356
Yxy	17.5941, 0.1779, 0.1316
Android (android.graphics.Color)	4281952506 (0xFF3968FA)
YUV	106.5910, 70.7006, -43.4913
Hunter-Lab	41.9453, 27.8711, -101.1770

Details

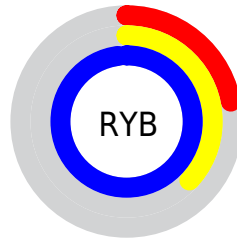
The CIELCh color **49, 84.795, 294.356** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **83, 73.713, 87.475**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 55.409, 288.921**, and **31, 83.126, 298.343** is the 20% darker color. If you saturate the color by 10%, you get **44, 96.908, 297.598**, and if you desaturate by 10%, it is **55, 72.714, 291.200**.

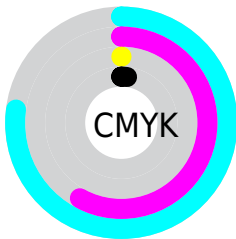
Distribution



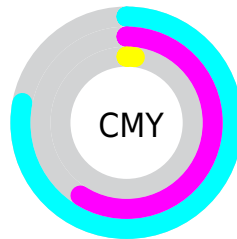
- Red (22%)
- Green (41%)
- Blue (98%)



- Red (22%)
- Yellow (37%)
- Blue (98%)



- Cyan (77%)
- Magenta (58%)
- Yellow (0%)
- Black (2%)



- Cyan (78%)
- Magenta (59%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 84.795, 294.356 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, 84.795, 294.356 by changing the saturation by 10% instead.


 49, 84.795,
294.356

 49, 84.795,
294.356


 100, 84.795,
294.356

 39, 84.795,
294.356

 69, 84.795,
294.356

 29, 84.795,
294.356

 79, 84.795,
294.356

 19, 84.795,
294.356

 89, 84.795,
294.356

 9, 84.795, 294.356

 99, 84.795,
294.356

 0, 84.795, 294.356

 49, 84.795,

 49, 84.795,

294.356

■ 44, 96.908,
297.598

■ 39, 108.420,
300.661

■ 38, 111.265,
301.377

294.356

■ 55, 72.714,
291.200

■ 61, 60.943,
288.293

■ 67, 49.550,
285.714

■ 74, 38.524,
283.476

■ 80, 27.826,
281.557

■ 87, 17.426,
279.920

■ 93, 7.297, 278.533

■ 100, 2.522,
107.624

100, 2.668,
109.950

Harmonies

Complementary

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



49, 84.795, 294.356



83, 73.713, 87.475

Rectangle

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



49, 84.795, 294.356



49, 84.795, 344.356



49, 84.795, 114.356



49, 84.795, 164.356

Sweetspot

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



49, 84.795, 294.357



85, 23.662, 280.816



89, 58.107, 170.072



43, 16.455, 281.431



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, 84.795, 294.357



42, 105.313, 299.401



42, 110.159, 307.010



49, 5.657, 278.809



28, 88.709, 300.875



6, 34.423, 295.443

Inverse Universe

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



56, 75.983, 15.500



54, 87.418, 23.259



92, 89.321, 116.194



49, 5.432, 0.775



40, 72.112, 26.029



9, 30.784, 15.448

Previews

White Background



This preview shows how the CIE LCh color 49, 84.795, 294.356 looks on a white background.

Color Contrast Check

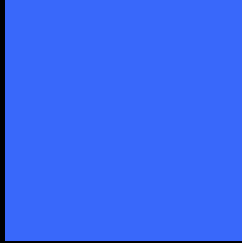
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.795, 294.356 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, 84.795, 294.356

Background



This preview shows how black text looks on a background with the CIELCh color 49, 84.795, 294.356.



This preview shows how white text looks on a background with the CIELCh color 49, 84.795, 294.356.

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, 29.075, 207.251

Trichromacy



Original Color
49, 84.795, 294.356

Protanomaly
49, 77.844, 290.002

Deuteranomaly
48, 63.407, 283.970

Tritanomaly
48, 38.902, 262.970

Monochromacy



Original Color
49, 84.795, 294.356

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 31.808, 284.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 84.795, 294.356 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(57, 104, 250)` looks like.

```
.text, #text, p{  
    color:rgb(57, 104, 250)  
}
```

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(57, 104, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 104, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 84.795, 294.356 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(57, 104, 250) }
```

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

```
.border{ border-color:rgb(57, 104, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 104, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 104, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 104, 250);  
box-shadow:4px 4px 4px 4px rgb(57, 104,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 84.795, 294.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 104, 250) }
```

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

```
.background{ background-color: rgb(57, 104,  
250) }
```

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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