

Converting Colors

CIELCh(49, 87.332, 294.337)

Have a look what the booklet for
CIELCh(49, 87.332, 294.337)
contains.

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Color

CIELCh(49, 87.693, 294.479)

Conversions

Conversions Part 1

Format	Color
Hex	3267FE
RGB	50, 103, 254
RGB Percent	20%, 40%, 100%
CMY	0.8055, 0.5951, 0.0027
CMYK	0.80, 0.59, 0.00, 0.00
HSL	224°, 99%, 60%
HSV	224°, 80%, 100%
XYZ	24.1094, 17.5941, 96.1515
YIQ	104.3670, -80.0590, 35.7250

Conversions

Conversions Part 2

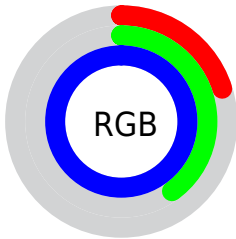
Format	Color
RYB	50, 92, 254
Decimal	3303422
CIELab	49.00, 36.34, -79.81
CIELCh	49, 87.693, 294.479
Yxy	17.5941, 0.1749, 0.1276
Android (android.graphics.Color)	4281493502 (0xFF3267FE)
YUV	104.3670, 73.7691, -47.6799
Hunter-Lab	41.9453, 29.1943, -106.5492

Details

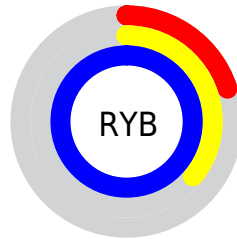
The CIELCh color **49, 87.693, 294.479** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **83, 76.193, 85.553**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 56.028, 288.847**, and **32, 85.934, 298.937** is the 20% darker color. If you saturate the color by 10%, you get **44, 99.657, 297.797**, and if you desaturate by 10%, it is **55, 75.697, 291.201**.

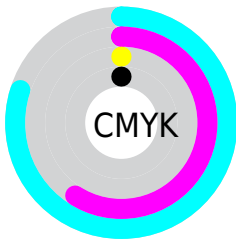
Distribution



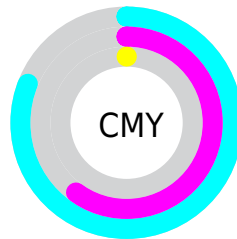
- Red (20%)
- Green (40%)
- Blue (100%)



- Red (20%)
- Yellow (36%)
- Blue (100%)



- Cyan (80%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 87.693, 294.479 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, 87.693, 294.479 by changing the saturation by 10% instead.

 49, 87.693,
294.479

 49, 87.693,
294.479

 100, 87.693,
294.479

 39, 87.693,
294.479

 69, 87.693,
294.479


 29, 87.693,
294.479

 79, 87.693,
294.479

 19, 87.693,
294.479

 89, 87.693,
294.479

 9, 87.693, 294.479

 99, 87.693,
294.479

 0, 87.693, 294.479

 49, 87.693,

 49, 87.693,

294.479

294.479

■ 44, 99.657,
297.797

■ 55, 75.697,
291.201

■ 40, 110.418,
300.705

■ 61, 63.978,
288.148

■ 67, 52.624,
285.420

■ 73, 41.623,
283.042

■ 80, 30.940,
280.999

■ 86, 20.540,
279.254

■ 93, 10.397,
277.772

■ 99, 0.496, 276.938

100, 0.338,
109.924

Harmonies

Complementary

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



49, 87.693, 294.479



83, 76.193, 85.553

Rectangle

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



49, 87.693, 294.479



49, 87.693, 344.479



49, 87.693, 114.479



49, 87.693, 164.479

Sweetspot

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



49, 87.693, 294.480



84, 24.207, 279.835



90, 61.388, 168.119



43, 16.703, 280.459



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, 87.693, 294.480



41, 107.359, 299.850



41, 115.835, 306.964



50, 5.638, 277.638



30, 87.651, 300.177



7, 35.126, 295.386

Inverse Universe

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



56, 79.035, 15.440



54, 88.665, 24.023



94, 92.461, 115.466



50, 5.565, 359.496



40, 72.116, 24.600



10, 31.636, 15.253

Previews

White Background



This preview shows how the CIE LCh color 49, 87.693, 294.479 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, 87.693, 294.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

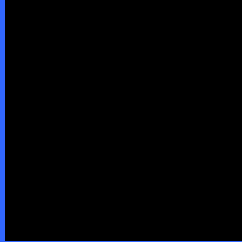
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 87.693, 294.479

Background



This preview shows how black text looks on a background with the CIELCh color 49, 87.693, 294.479.



This preview shows how white text looks on a background with the CIELCh color 49, 87.693, 294.479.

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, 87.678, 294.540

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 51.312, 274.808



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 87.678, 294.540

Protanomaly
49, 78.948, 290.213

Deuteranomaly
48, 63.975, 284.076

Tritanomaly
48, 39.438, 263.350

Monochromacy



Original Color
49, 87.678, 294.540

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 33.129, 283.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 87.693, 294.479 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(50, 103, 254)` looks like.

```
.text, #text, p{  
    color:rgb(50, 103, 254)  
}
```

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(50, 103, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 103, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 87.693, 294.479 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(50, 103, 254) }
```

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

```
.border{ border-color:rgb(50, 103, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 103, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 103, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 103, 254);  
box-shadow:4px 4px 4px 4px rgb(50, 103,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 87.693, 294.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 103, 254) }
```

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

```
.background{ background-color: rgb(50, 103,  
254) }
```

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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