

Converting Colors

CIELCh(49, 90.596, 306.382)

Have a look what the booklet for
CIELCh(49, 90.596, 306.382)
contains.

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Color

CIELCh(49, 90.596, 306.382)

Conversions

Conversions Part 1

Format	Color
Hex	8055F2
RGB	128, 85, 242
RGB Percent	50%, 33%, 95%
CMY	0.4966, 0.6655, 0.0496
CMYK	0.47, 0.65, 0.00, 0.05
HSL	256°, 86%, 64%
HSV	256°, 65%, 95%
XYZ	28.3087, 17.5941, 86.1842
YIQ	115.7550, -24.7690, 57.9430

Conversions

Conversions Part 2

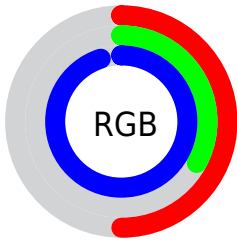
Format	Color
R _{YB}	128, 85, 242
Decimal	8410610
CIE Lab	49.00, 53.74, -72.94
CIE LCh	49, 90.596, 306.382
Yxy	17.5941, 0.2143, 0.1332
Android (android.graphics.Color)	4286600690 (0xFF8055F2)
YUV	115.7550, 62.2388, 10.7389
Hunter-Lab	41.9453, 47.0648, -92.4604

Details

The CIELCh color **49, 90.596, 306.382** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **90, 77.089, 117.346**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.895, 309.332**, and **29, 90.611, 306.352** is the 20% darker color. If you saturate the color by 10%, you get **43, 104.117, 307.266**, and if you desaturate by 10%, it is **56, 76.114, 305.380**.

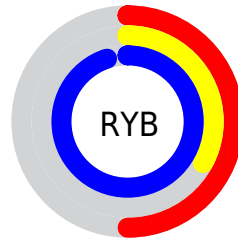
Distribution



Red (50%)

Green (33%)

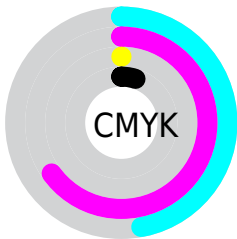
Blue (95%)



Red (50%)

Yellow (33%)

Blue (95%)

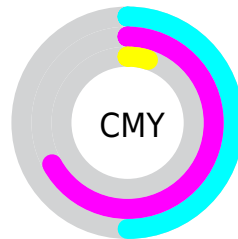


Cyan (47%)

Magenta (65%)

Yellow (0%)

Black (5%)



Cyan (50%)

Magenta (67%)

Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 90.596, 306.382 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, 90.596, 306.382 by changing the saturation by 10% instead.


 49, 90.596,
306.382


 49, 90.596,
306.382


 100, 90.596,
306.382

 39, 90.596,
306.382

 69, 90.596,
306.382


 29, 90.596,
306.382

 79, 90.596,
306.382

 19, 90.596,
306.382

 89, 90.596,
306.382

 9, 90.596, 306.382

 99, 90.596,
306.382

 0, 90.596, 306.382

 49, 90.596,

 49, 90.596,

306.382

306.382

■ 43, 104.117,
307.266

■ 56, 76.114,
305.380

■ 38, 115.444,
307.858

■ 63, 61.436,
304.372

■ 34, 123.103,
307.961

■ 70, 46.964,
303.422

■ 33, 125.729,
307.865

■ 77, 32.886,
302.558

■ 85, 19.274,
301.790

■ 92, 6.145, 301.112

■ 99, 6.509, 120.542

■ 100, 6.402,
109.687

Harmonies

Complementary

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



49, 90.596, 306.382



90, 77.089, 117.346

Rectangle

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



49, 90.596, 306.382



49, 90.596, 356.382



49, 90.596, 126.382



49, 90.596, 176.382

Sweetspot

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



49, 90.596, 306.383



85, 25.982, 302.105



76, 36.283, 236.576



43, 17.975, 302.327



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, 90.596, 306.383



43, 112.556, 307.511



58, 90.435, 320.263



47, 7.391, 301.420



25, 102.954, 308.002



4, 40.753, 306.008

Inverse Universe

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



61, 76.621, 338.466



60, 89.038, 340.004



86, 88.099, 134.156



48, 7.230, 333.869



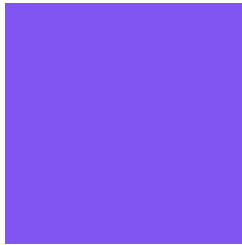
42, 74.102, 343.035



10, 33.784, 340.567

Previews

White Background



This preview shows how the CIELCh color 49, 90.596, 306.382 looks on a white background.

Color Contrast Check

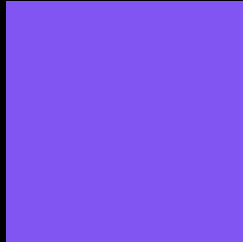
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.596, 306.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

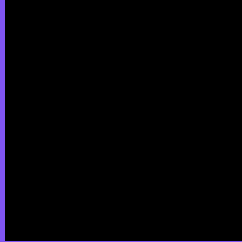
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 90.596, 306.382

Background



This preview shows how black text looks on a background with the CIELCh color 49, 90.596, 306.382.

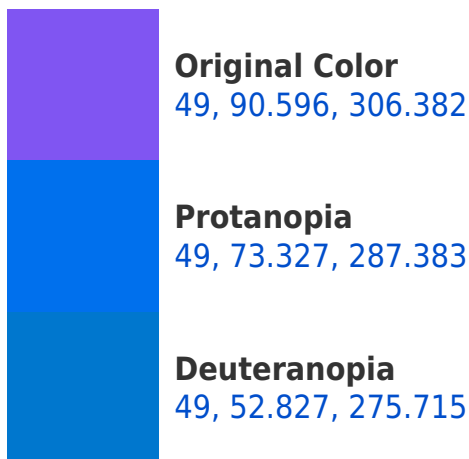



This preview shows how white text looks on a background with the CIELCh color 49, 90.596, 306.382.

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, 9.576, 232.364

Trichromacy



Original Color
49, 90.596, 306.382



Protanomaly
47, 80.227, 292.981



Deuteranomaly
47, 66.122, 288.242



Tritanomaly
48, 37.213, 295.900

Monochromacy



Original Color
49, 90.596, 306.382



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 34.158, 303.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 90.596, 306.382 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(128, 85, 242)` looks like.

```
.text, #text, p{  
    color:rgb(128, 85, 242)  
}
```

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(128, 85, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 85, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 90.596, 306.382 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(128, 85, 242) }
```

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

```
.border{ border-color:rgb(128, 85, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 85, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 85, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 85, 242);  
box-shadow:4px 4px 4px 4px rgb(128, 85,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 90.596, 306.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 85, 242) }
```

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

```
.background{ background-color: rgb(128, 85,  
242) }
```

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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