

Converting Colors

CIELCh(49, 88.272, 300.103)

Have a look what the booklet for
CIELCh(49, 88.272, 300.103)
contains.

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Color

CIELCh(49, 87.938, 300.027)

Conversions

Conversions Part 1

Format	Color
Hex	6060F8
RGB	96, 96, 248
RGB Percent	38%, 38%, 97%
CMY	0.6241, 0.6240, 0.0280
CMYK	0.61, 0.61, 0.00, 0.03
HSL	240°, 91%, 67%
HSV	240°, 61%, 97%
XYZ	25.9046, 17.5941, 90.7323
YIQ	113.3280, -48.7920, 47.2720

Conversions

Conversions Part 2

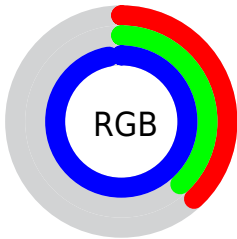
Format	Color
R _Y B	96, 96, 248
Decimal	6316280
CIE Lab	49.00, 44.00, -76.14
CIE LCh	49, 87.938, 300.027
Yxy	17.5941, 0.1930, 0.1311
Android (android.graphics.Color)	4284506360 (0xFF6060F8)
YUV	113.3280, 66.3933, -15.1967
Hunter-Lab	41.9453, 36.8338, -98.8892

Details

The CIELCh color $49, 87.938, 300.027$ is a light color, and the websafe version is hex $6666FF$. A complement of this color would be $95, 72.910, 104.477$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 59.976, 299.510$, and $29, 87.670, 300.340$ is the 20% darker color. If you saturate the color by 10%, you get $42, 103.282, 302.258$, and if you desaturate by 10%, it is $56, 72.291, 297.843$.

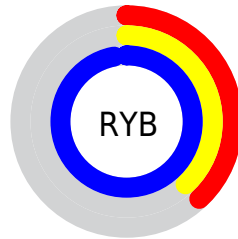
Distribution



Red (38%)

Green (38%)

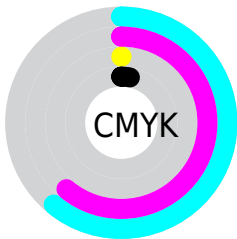
Blue (97%)



Red (38%)

Yellow (38%)

Blue (97%)

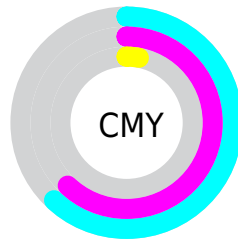


Cyan (61%)

Magenta (61%)

Yellow (0%)

Black (3%)



Cyan (62%)

Magenta (62%)

Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 87.938, 300.027 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, 87.938, 300.027 by changing the saturation by 10% instead.

 49, 87.938,
300.027


 49, 87.938,
300.027

 100, 87.938,
300.027


 39, 87.938,
300.027

 69, 87.938,
300.027


 29, 87.938,
300.027

 79, 87.938,
300.027

 19, 87.938,
300.027

 89, 87.938,
300.027

 9, 87.938, 300.027

 99, 87.938,
300.027

 0, 87.938, 300.027

 49, 87.938,

 49, 87.938,

300.027

300.027

■ 42, 103.282,
302.258

■ 56, 72.291,
297.843

■ 37, 116.893,
304.254

■ 64, 56.996,
295.855

■ 33, 126.582,
305.659

■ 72, 42.276,
294.118

■ 31, 130.963,
306.286

■ 80, 28.172,
292.631

■ 88, 14.658,
291.371

■ 96, 1.692, 290.343

■ 100, 3.604,
109.887

Harmonies

Complementary

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



49, 87.938, 300.027



95, 72.910, 104.477

Rectangle

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



49, 87.938, 300.027



49, 87.938, 350.027



49, 87.938, 120.027



49, 87.938, 170.027

Sweetspot

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



49, 87.938, 300.028



85, 24.164, 292.191



90, 41.674, 194.978



43, 16.893, 292.578



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, 87.938, 300.028



42, 109.661, 302.853



56, 87.062, 311.687



48, 7.379, 291.164



23, 106.699, 306.285



3, 42.020, 300.803

Inverse Universe

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



61, 65.846, 28.005



58, 82.549, 32.089



90, 78.926, 125.798



49, 5.167, 19.925



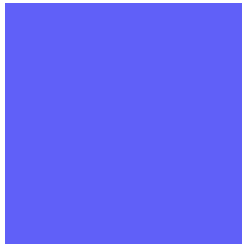
39, 83.382, 39.992



9, 32.194, 26.131

Previews

White Background



This preview shows how the CIELCh color 49, 87.938, 300.027 looks on a white background.

Color Contrast Check

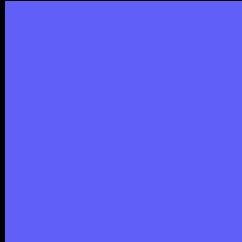
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.938, 300.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

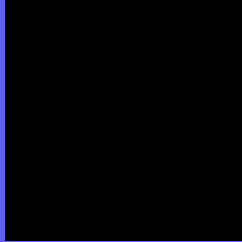
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 87.938, 300.027

Background



This preview shows how black text looks on a background with the CIELCh color 49, 87.938, 300.027.



This preview shows how white text looks on a background with the CIELCh color 49, 87.938, 300.027.

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, 25.521, 211.864

Trichromacy



Original Color
49, 87.938, 300.027

Protanomaly
48, 78.417, 291.123

Deuteranomaly
48, 64.426, 285.724

Tritanomaly
48, 38.383, 272.615

Monochromacy



Original Color
49, 87.938, 300.027

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.548, 294.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 87.938, 300.027 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(96, 96, 248)` looks like.

```
.text, #text, p{  
    color:rgb(96, 96, 248)  
}
```

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(96, 96, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 96, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 87.938, 300.027 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(96, 96, 248) }
```

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

```
.border{ border-color:rgb(96, 96, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 96, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 96, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 96, 248);  
box-shadow:4px 4px 4px 4px rgb(96, 96,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 87.938, 300.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 96, 248) }
```

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

```
.background{ background-color: rgb(96, 96,  
248) }
```

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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