

Converting Colors

CIELCh(49, 91.735, 300.776)

Have a look what the booklet for
CIELCh(49, 91.735, 300.776)
contains.

CIELCh(49, 91.785, 300.728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 91.785, 300.728)

Conversions

Conversions Part 1

Format	Color
Hex	615EFD
RGB	97, 94, 253
RGB Percent	38%, 37%, 99%
CMY	0.6203, 0.6319, 0.0085
CMYK	0.62, 0.63, 0.00, 0.01
HSL	241°, 97%, 68%
HSV	241°, 63%, 99%
XYZ	26.6045, 17.5941, 94.7871
YIQ	113.0230, -49.2510, 50.0850

Conversions

Conversions Part 2

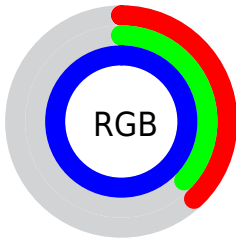
Format	Color
RYB	97, 94, 253
Decimal	6381309
CIELab	49.00, 46.90, -78.90
CIELCh	49, 91.785, 300.728
Yxy	17.5941, 0.1914, 0.1266
Android (android.graphics.Color)	4284571389 (0xFF615EFD)
YUV	113.0230, 69.0087, -14.0522
Hunter-Lab	41.9453, 39.8124, -104.6206

Details

The CIELCh color $49, 91.785, 300.728$ is a dark color, and the websafe version is hex $6666FF$. The color can be described as middle muted purple. A complement of this color would be $97, 75.619, 105.292$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 61.211, 300.356$, and $29, 91.490, 301.075$ is the 20% darker color. If you saturate the color by 10%, you get $42, 107.165, 302.842$, and if you desaturate by 10%, it is $57, 75.912, 298.620$.

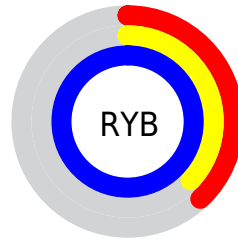
Distribution



Red (38%)

Green (37%)

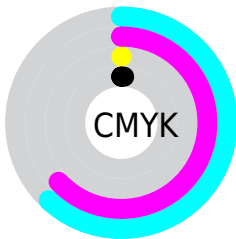
Blue (99%)



Red (38%)

Yellow (37%)

Blue (99%)

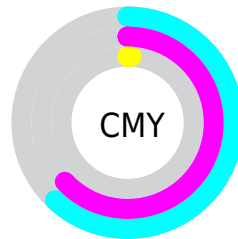


Cyan (62%)

Magenta (63%)

Yellow (0%)

Black (1%)



Cyan (62%)

Magenta (63%)

Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 91.785, 300.728 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, 91.785, 300.728 by changing the saturation by 10% instead.

 49, 91.785,
300.728


 49, 91.785,
300.728


 100, 91.785,
300.728


 39, 91.785,
300.728

 69, 91.785,
300.728


 29, 91.785,
300.728

 79, 91.785,
300.728

 19, 91.785,
300.728

 89, 91.785,
300.728

 9, 91.785, 300.728

 99, 91.785,
300.728

 0, 91.785, 300.728

 49, 91.785,

 49, 91.785,

300.728

300.728

■ 42, 107.165,
302.842

■ 57, 75.912,
298.620

■ 37, 120.478,
304.672

■ 64, 60.308,
296.679

■ 33, 129.493,
305.876

■ 73, 45.257,
294.969

■ 32, 132.874,
306.324

■ 81, 30.824,
293.499

■ 89, 16.994,
292.249

■ 97, 3.728, 291.203

■ 100, 1.085,
110.026

Harmonies

Complementary

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



49, 91.785, 300.728



97, 75.619, 105.292

Rectangle

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



49, 91.785, 300.728



49, 91.785, 350.728



49, 91.785, 120.728



49, 91.785, 170.728

Sweetspot

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



49, 91.785, 300.729



84, 25.571, 292.991



91, 41.830, 198.750



43, 17.704, 293.364



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, 91.785, 300.729



41, 110.998, 303.272



56, 90.609, 312.707



49, 7.506, 291.874



23, 107.688, 306.340



3, 44.173, 302.138

Inverse Universe

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



66, 91.928, 328.147



63, 103.858, 328.545



91, 82.684, 126.941



50, 8.943, 325.448



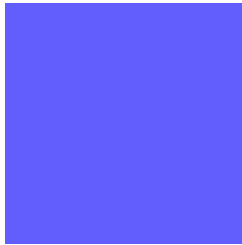
45, 91.734, 328.987



12, 42.276, 328.894

Previews

White Background



This preview shows how the CIELCh color 49, 91.785, 300.728 looks on a white background.

Color Contrast Check

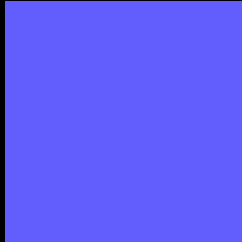
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.785, 300.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

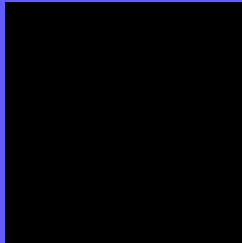
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 91.785, 300.728

Background



This preview shows how black text looks on a background with the CIELCh color 49, 91.785, 300.728.

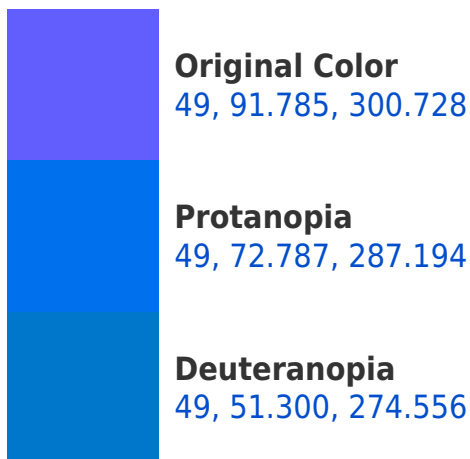


This preview shows how white text looks on a background with the CIELCh color 49, 91.785, 300.728.

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, 25.938, 211.583

Trichromacy



Original Color
49, 91.785, 300.728

Protanomaly
48, 80.129, 291.715

Deuteranomaly
48, 65.575, 286.369

Tritanomaly
48, 40.027, 273.915

Monochromacy



Original Color
49, 91.785, 300.728

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 34.354, 295.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 91.785, 300.728 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(97, 94, 253)` looks like.

```
.text, #text, p{  
    color:rgb(97, 94, 253)  
}
```

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(97, 94, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 94, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 91.785, 300.728 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(97, 94, 253) }
```

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

```
.border{ border-color:rgb(97, 94, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 94, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 94, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 94, 253); box-shadow:4px 4px 4px 4px rgb(97, 94, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 91.785, 300.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 94, 253) }
```

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

```
.background{ background-color: rgb(97, 94,  
253) }
```

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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