

Converting Colors

CIELCh(47, 95.663, 300.099)

Have a look what the booklet for
CIELCh(47, 95.663, 300.099)
contains.

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Color

CIELCh(47, 95.708, 300.112)

Conversions

Conversions Part 1

Format	Color
Hex	5159FE
RGB	81, 89, 254
RGB Percent	32%, 35%, 100%
CMY	0.6829, 0.6514, 0.0044
CMYK	0.68, 0.65, 0.00, 0.00
HSL	237°, 99%, 66%
HSV	237°, 68%, 100%
XYZ	24.8151, 16.0195, 95.4512
YIQ	105.4180, -57.7330, 49.6190

Conversions

Conversions Part 2

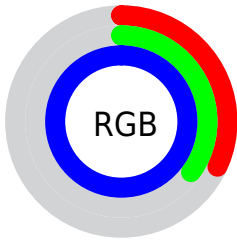
Format	Color
R_{YB}	81, 89, 254
Decimal	5331454
CIE _{Lab}	47.00, 48.02, -82.79
CIE _{LCh}	47, 95.708, 300.112
Yxy	16.0195, 0.1821, 0.1175
Android (android.graphics.Color)	4283521534 (0xFF5159FE)
YUV	105.4180, 73.2509, -21.4146
Hunter-Lab	40.0243, 40.6278, -113.3796

Details

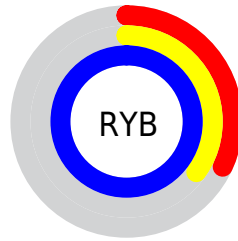
The CIELCh color **47, 95.708, 300.112** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **95, 77.901, 101.602**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 64.178, 298.727**, and **29, 94.286, 301.889** is the 20% darker color. If you saturate the color by 10%, you get **41, 110.351, 302.464**, and if you desaturate by 10%, it is **54, 80.396, 297.724**.

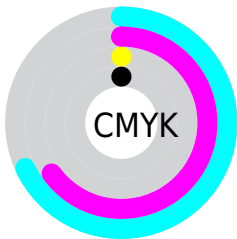
Distribution



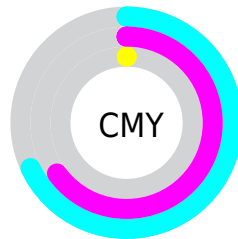
- Red (32%)
- Green (35%)
- Blue (100%)



- Red (32%)
- Yellow (35%)
- Blue (100%)



- Cyan (68%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (65%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 95.708, 300.112 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 47, 95.708, 300.112 by changing the saturation by 10% instead.


 47, 95.708,
300.112


 47, 95.708,
300.112


 100, 95.708,
300.112


 37, 95.708,
300.112

 67, 95.708,
300.112


 27, 95.708,
300.112

 77, 95.708,
300.112

 17, 95.708,
300.112

 87, 95.708,
300.112

 7, 95.708, 300.112

 97, 95.708,
300.112

 0, 95.708, 300.112

 47, 95.708,

 47, 95.708,

300.112

300.112

■ 41, 110.351,
302.464

■ 54, 80.396,
297.724

■ 36, 122.682,
304.462

■ 62, 65.262,
295.497

■ 33, 130.641,
305.772

■ 69, 50.634,
293.522

■ 33, 131.547,
305.909

■ 77, 36.591,
291.816

■ 85, 23.122,
290.362

■ 93, 10.188,
289.133

■ 100, 0.555,
109.997

Harmonies

Complementary

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



47, 95.708, 300.112



95, 77.901, 101.602

Rectangle

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



47, 95.708, 300.112



47, 95.708, 350.112



47, 95.708, 120.112



47, 95.708, 170.112

Sweetspot

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



47, 95.709, 300.113



84, 25.662, 290.614



91, 45.939, 190.921



43, 17.607, 291.011



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 95.709, 300.113



39, 115.894, 303.298



52, 98.083, 311.053



49, 7.149, 289.287



24, 105.707, 305.752



4, 42.652, 300.973

Inverse Universe

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



60, 73.662, 26.984



56, 88.825, 32.283



92, 86.941, 124.502



49, 5.257, 16.182



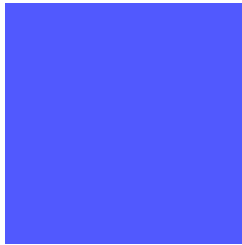
40, 82.255, 38.231



10, 32.991, 25.312

Previews

White Background



This preview shows how the CIELCh color 47, 95.708, 300.112 looks on a white background.

Color Contrast Check

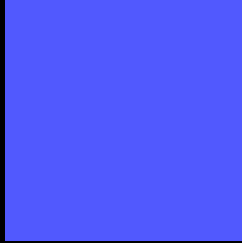
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 95.708, 300.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

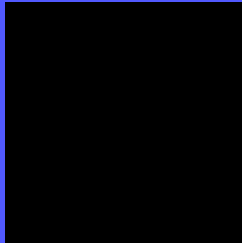
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 95.708, 300.112

Background



This preview shows how black text looks on a background with the CIELCh color 47, 95.708, 300.112.



This preview shows how white text looks on a background with the CIELCh color 47, 95.708, 300.112.

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

47, 95.708, 300.112

Protanopia

47, 69.879, 286.978

Deuteranopia

47, 48.813, 273.781



Tritanopia
47, 28.236, 207.659

Trichromacy



Original Color
47, 95.708, 300.112

Protanomaly
46, 80.065, 292.171

Deuteranomaly
46, 65.416, 286.830

Tritanomaly
45, 41.237, 269.950

Monochromacy



Original Color
47, 95.708, 300.112

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 35.918, 293.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 95.708, 300.112 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(81, 89, 254)` looks like.

```
.text, #text, p{  
    color:rgb(81, 89, 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(81, 89, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 89, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 95.708, 300.112 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(81, 89, 254) }
```

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

```
.border{ border-color:rgb(81, 89, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 89, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 89, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 89, 254);  
box-shadow:4px 4px 4px 4px rgb(81, 89,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 95.708, 300.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 89, 254) }
```

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

```
.background{ background-color: rgb(81, 89,  
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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