

Converting Colors

CIELCh(47, 79.972, 300.582)

Have a look what the booklet for
CIELCh(47, 79.972, 300.582)
contains.

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Color

CIELCh(47, 80.113, 300.666)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 635CE5 |
| RGB | 99, 92, 229 |
| RGB Percent | 39%, 36%, 90% |
| CMY | 0.6109, 0.6385, 0.1011 |
| CMYK | 0.57, 0.60, 0.00, 0.10 |
| HSL | 243°, 73%, 63% |
| HSV | 243°, 60%, 90% |
| XYZ | 23.1852, 16.0195, 76.1531 |
| YIQ | 109.7110, -39.8050, 44.0910 |

Conversions

Conversions Part 2

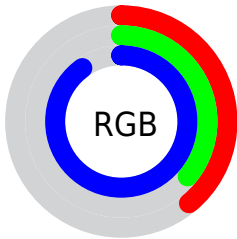
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 99, 92, 229 |
| Decimal | 6511845 |
| CIE _{Lab} | 47.00, 40.86, -68.91 |
| CIE _{LCh} | 47, 80.113, 300.666 |
| Yxy | 16.0195, 0.2010, 0.1389 |
| Android (android.graphics.Color) | 4284701925 (0xFF635CE5) |
| YUV | 109.7110, 58.8095, -9.3935 |
| Hunter-Lab | 40.0243, 33.3587, -84.7923 |

Details

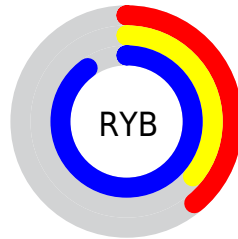
The CIELCh color **47, 80.113, 300.666** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **88, 67.113, 107.139**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.425, 300.647**, and **27, 80.135, 300.733** is the 20% darker color. If you saturate the color by 10%, you get **41, 94.504, 302.617**, and if you desaturate by 10%, it is **54, 65.550, 298.774**.

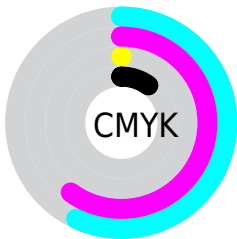
Distribution



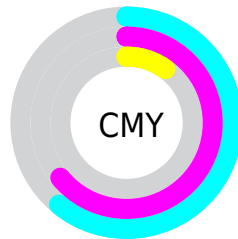
- Red (39%)
- Green (36%)
- Blue (90%)



- Red (39%)
- Yellow (36%)
- Blue (90%)



- Cyan (57%)
- Magenta (60%)
- Yellow (0%)
- Black (10%)



- Cyan (61%)
- Magenta (64%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 80.113, 300.666 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, 80.113, 300.666 by changing the saturation by 10% instead.

 47, 80.113,
300.666

 47, 80.113,
300.666

 100, 80.113,
300.666

 37, 80.113,
300.666

 67, 80.113,
300.666

 27, 80.113,
300.666


 77, 80.113,
300.666

 17, 80.113,
300.666

 87, 80.113,
300.666

 7, 80.113, 300.666

 97, 80.113,
300.666

 0, 80.113, 300.666

 47, 80.113,

 47, 80.113,

300.666

300.666

■ 41, 94.504,
302.617

■ 54, 65.550,
298.774

■ 35, 107.602,
304.403

■ 61, 51.326,
297.052

■ 31, 117.571,
305.711

■ 69, 37.622,
295.542

■ 29, 123.116,
306.390

■ 76, 24.473,
294.242

■ 29, 123.215,
306.404

■ 84, 11.862,
293.134

■ 91, 0.245, 111.983

■ 99, 11.885,
111.378

■ 99, 13.051,
109.191

Harmonies

Complementary

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



47, 80.113, 300.666



88, 67.113, 107.139

Rectangle

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



47, 80.113, 300.666



47, 80.113, 350.666



47, 80.113, 120.666



47, 80.113, 170.666

Sweetspot

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



47, 80.113, 300.667



85, 24.192, 294.043



82, 36.282, 202.822



43, 16.913, 294.393



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, 80.113, 300.667



44, 106.388, 303.116



54, 79.861, 313.560



44, 6.888, 293.101



21, 102.126, 306.445



2, 33.768, 298.010

Inverse Universe

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



61, 80.019, 329.065



64, 99.198, 329.589



84, 73.885, 128.147



45, 8.020, 326.360



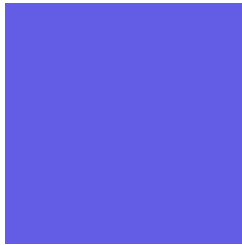
42, 84.938, 330.386



8, 35.866, 330.038

Previews

White Background



This preview shows how the CIELCh color 47, 80.113, 300.666 looks on a white background.

Color Contrast Check

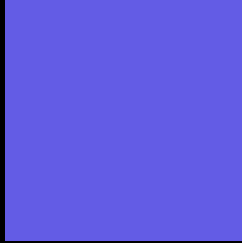
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.113, 300.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

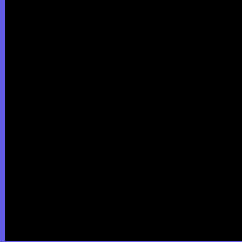
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 80.113, 300.666

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.113, 300.666.



This preview shows how white text looks on a background with the CIELCh color 47, 80.113, 300.666.

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, 80.113, 300.666

Protanopia

47, 70.968, 287.375

Deuteranopia

47, 50.344, 275.029



Tritanopia
47, 19.771, 213.273

Trichromacy



Original Color
47, 80.113, 300.666



Protanomaly
46, 74.349, 290.752



Deuteranomaly
46, 60.859, 285.361



Tritanomaly
46, 33.633, 276.847

Monochromacy



Original Color
47, 80.113, 300.666



Achromatopsia
46, 0.006, 296.813



Achromatomaly
46, 29.188, 295.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.113, 300.666 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(99, 92, 229)` looks like.

```
.text, #text, p{  
    color:rgb(99, 92, 229)  
}
```

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(99, 92, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 92, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.113, 300.666 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(99, 92, 229) }
```

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

```
.border{ border-color:rgb(99, 92, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 92, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 92, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 92, 229);  
box-shadow:4px 4px 4px 4px rgb(99, 92,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.113, 300.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 92, 229) }
```

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

```
.background{ background-color: rgb(99, 92,  
229) }
```

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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