

Converting Colors

CIELCh(47, 97.715, 304.380)

Have a look what the booklet for
CIELCh(47, 97.715, 304.380)
contains.

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Color

CIELCh(47, 97.506, 304.340)

Conversions

Conversions Part 1

Format	Color
Hex	6D51FA
RGB	109, 81, 250
RGB Percent	43%, 32%, 98%
CMY	0.5728, 0.6826, 0.0199
CMYK	0.56, 0.68, 0.00, 0.02
HSL	250°, 94%, 65%
HSV	250°, 68%, 98%
XYZ	26.4788, 16.0195, 92.0797
YIQ	108.6380, -37.5610, 58.4950

Conversions

Conversions Part 2

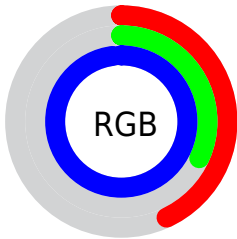
Format	Color
R _{YB}	109, 81, 250
Decimal	7164410
CIE _{Lab}	47.00, 55.00, -80.51
CIE _{LCh}	47, 97.506, 304.340
Y _{xy}	16.0195, 0.1968, 0.1190
Android (android.graphics.Color)	4285354490 (0xFF6D51FA)
Y _{UV}	108.6380, 69.6915, 0.3175
Hunter-Lab	40.0243, 48.0472, -108.3853

Details

The CIELCh color $47, 97.506, 304.340$ 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 $94, 80.191, 112.265$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 69.417, 306.230$, and $27, 97.282, 304.297$ is the 20% darker color. If you saturate the color by 10%, you get $41, 111.472, 305.620$, and if you desaturate by 10%, it is $54, 82.368, 302.927$.

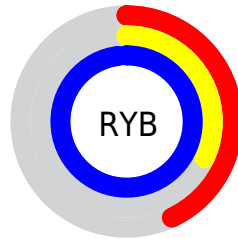
Distribution



Red (43%)

Green (32%)

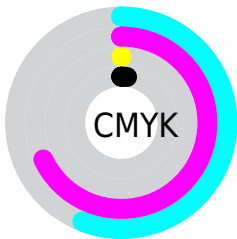
Blue (98%)



Red (43%)

Yellow (32%)

Blue (98%)

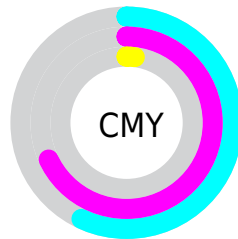


Cyan (56%)

Magenta (68%)

Yellow (0%)

Black (2%)



Cyan (57%)


Magenta (68%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 97.506, 304.340 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, 97.506, 304.340 by changing the saturation by 10% instead.


 47, 97.506,
304.340


 47, 97.506,
304.340


 100, 97.506,
304.340


 37, 97.506,
304.340

 67, 97.506,
304.340


 27, 97.506,
304.340

 77, 97.506,
304.340

 17, 97.506,
304.340

 87, 97.506,
304.340

 7, 97.506, 304.340

 97, 97.506,
304.340

 0, 97.506, 304.340

 47, 97.506,

 47, 97.506,

304.340

■ 41, 111.472,
305.620

■ 36, 122.656,
306.527

■ 33, 129.368,
306.843

■ 33, 130.537,
306.888

304.340

■ 54, 82.368,
302.927

■ 61, 67.037,
301.536

■ 69, 51.992,
300.252

■ 77, 37.429,
299.107

■ 85, 23.407,
298.106

■ 92, 9.928, 297.242

■ 100, 2.562,
110.739

■ 100, 2.561,
109.957

Harmonies

Complementary

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



47, 97.506, 304.340



94, 80.191, 112.265

Rectangle

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



47, 97.506, 304.340



47, 97.506, 354.340



47, 97.506, 124.340



47, 97.506, 174.340

Sweetspot

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



47, 97.506, 304.341



84, 27.140, 298.334



83, 38.408, 217.831



43, 18.620, 298.611



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, 97.506, 304.341



40, 117.541, 305.990



56, 95.750, 316.726



48, 7.435, 297.394



24, 105.536, 306.984



4, 42.477, 304.258

Inverse Universe

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



63, 86.845, 333.764



60, 97.309, 334.742



89, 90.405, 131.043



49, 7.944, 329.909



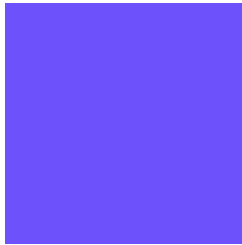
43, 80.968, 336.149



11, 37.225, 334.989

Previews

White Background



This preview shows how the CIELCh color 47, 97.506, 304.340 looks on a white background.

Color Contrast Check

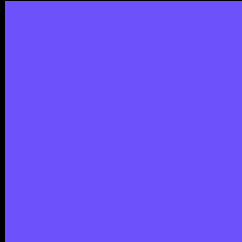
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 97.506, 304.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

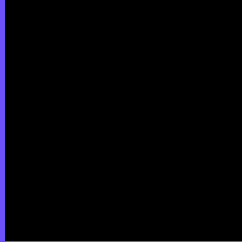
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 97.506, 304.340

Background



This preview shows how black text looks on a background with the CIELCh color 47, 97.506, 304.340.

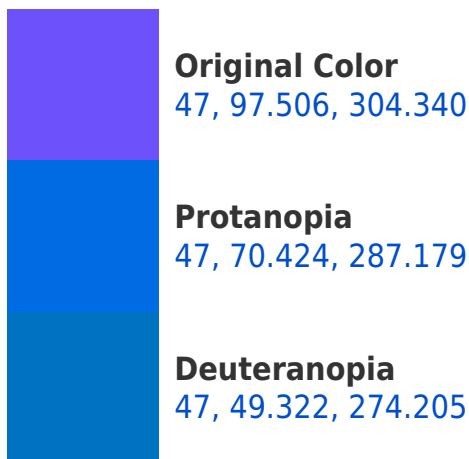


This preview shows how white text looks on a background with the CIELCh color 47, 97.506, 304.340.

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](#).

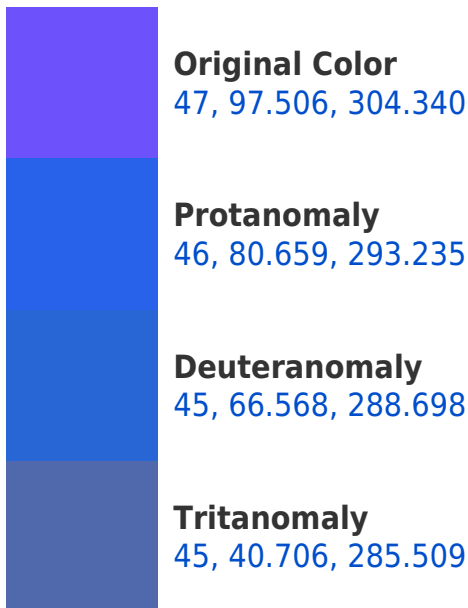
Dichromacy



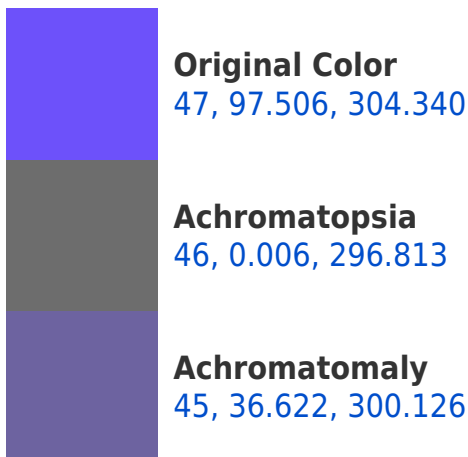


Tritanopia
47, 19.115, 215.814

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 97.506, 304.340 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(109, 81, 250)` looks like.

```
.text, #text, p{  
    color:rgb(109, 81, 250)  
}
```

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(109, 81, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 81, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 97.506, 304.340 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(109, 81, 250) }
```

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

```
.border{ border-color:rgb(109, 81, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 81, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 81, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 81, 250);  
box-shadow:4px 4px 4px 4px rgb(109, 81,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 97.506, 304.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 81, 250) }
```

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

```
.background{ background-color: rgb(109, 81,  
250) }
```

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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