

Converting Colors

CIELCh(47, 102.144, 305.726)

Have a look what the booklet for
CIELCh(47, 102.144, 305.726)
contains.

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Color

CIELCh(47, 102.080, 305.728)

Conversions

Conversions Part 1

Format	Color
Hex	734CFE
RGB	115, 76, 254
RGB Percent	45%, 30%, 100%
CMY	0.5482, 0.7013, 0.0032
CMYK	0.55, 0.70, 0.00, 0.00
HSL	253°, 99%, 65%
HSV	253°, 70%, 100%
XYZ	27.6148, 16.0195, 95.5657
YIQ	107.9530, -33.8940, 63.6260

Conversions

Conversions Part 2

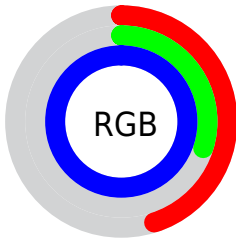
Format	Color
R _{YB}	115, 76, 254
Decimal	7556350
CIE _{Lab}	47.00, 59.61, -82.87
CIE _{LCh}	47, 102.080, 305.728
Yxy	16.0195, 0.1984, 0.1151
Android (android.graphics.Color)	4285746430 (0xFF734CFE)
YUV	107.9530, 72.0012, 6.1802
Hunter-Lab	40.0243, 53.1138, -113.5492

Details

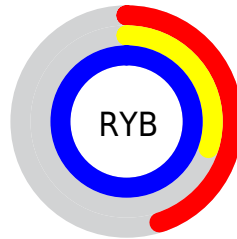
The CIELCh color **47, 102.080, 305.728** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **94, 84.148, 114.758**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 72.021, 308.398**, and **27, 102.031, 305.728** is the 20% darker color. If you saturate the color by 10%, you get **41, 115.423, 306.702**, and if you desaturate by 10%, it is **54, 87.159, 304.559**.

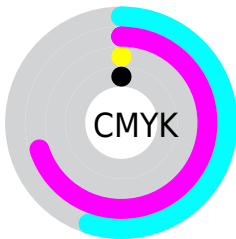
Distribution



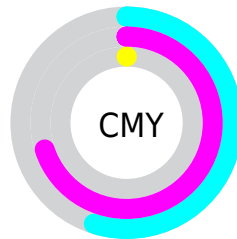
- Red (45%)
- Green (30%)
- Blue (100%)



- Red (45%)
- Yellow (30%)
- Blue (100%)



- Cyan (55%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (70%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 102.080, 305.728 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 47, 102.080, 305.728 by changing the saturation by 10% instead.


 47, 102.080,
305.728


 47, 102.080,
305.728


 100, 102.080,
305.728


 37, 102.080,
305.728


 67, 102.080,
305.728


 27, 102.080,
305.728


 77, 102.080,
305.728

 17, 102.080,
305.728


 87, 102.080,
305.728

 7, 102.080,
305.728

 97, 102.080,
305.728

 0, 102.080,
305.728

 47, 102.080,

 47, 102.080,

305.728

■ 41, 115.423,
306.702

■ 37, 125.562,
307.258

■ 34, 131.421,
307.293

305.728

■ 54, 87.159,
304.559

■ 61, 71.764,
303.354

■ 69, 56.490,
302.209

■ 76, 41.612,
301.168

■ 84, 27.235,
300.244

■ 92, 13.388,
299.437

■ 100, 0.059,
298.361

■ 100, 0.397,
109.953

Harmonies

Complementary

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



47, 102.080, 305.728



94, 84.148, 114.758

Rectangle

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



47, 102.080, 305.728



47, 102.080, 355.728



47, 102.080, 125.728



47, 102.080, 175.728

Sweetspot

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



47, 102.080, 305.729



84, 28.671, 300.329



81, 39.010, 229.538



42, 19.508, 300.575



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, 102.080, 305.729



39, 120.227, 306.986



57, 99.793, 318.766



49, 7.596, 299.398



25, 105.920, 307.413



4, 44.597, 305.935

Inverse Universe

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



63, 86.853, 336.351



59, 95.004, 337.715



90, 95.991, 132.750



50, 7.775, 331.792



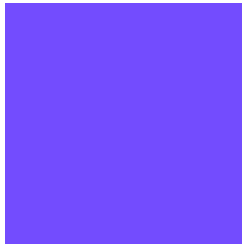
43, 78.551, 339.393



11, 36.849, 337.761

Previews

White Background



This preview shows how the CIELCh color 47, 102.080, 305.728 looks on a white background.

Color Contrast Check

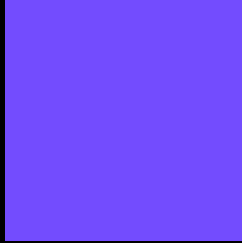
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 102.080, 305.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

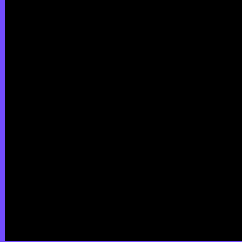
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 102.080, 305.728

Background



This preview shows how black text looks on a background with the CIELCh color 47, 102.080, 305.728.

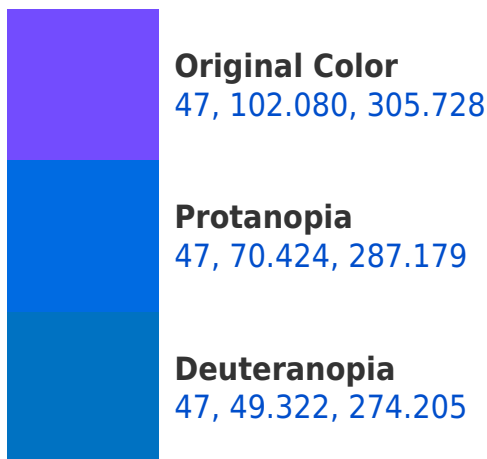


This preview shows how white text looks on a background with the CIELCh color 47, 102.080,

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, 16.861, 218.581

Trichromacy



Original Color
47, 102.080, 305.728



Protanomaly
46, 82.443, 294.059



Deuteranomaly
45, 68.899, 290.002



Tritanomaly
45, 42.295, 289.474

Monochromacy



Original Color
47, 102.080, 305.728



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 39.259, 302.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 102.080, 305.728 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(115, 76, 254)` looks like.

```
.text, #text, p{  
    color:rgb(115, 76, 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(115, 76, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 76, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 102.080, 305.728 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(115, 76, 254) }
```

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

```
.border{ border-color:rgb(115, 76, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 76, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 76, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 76, 254);  
box-shadow:4px 4px 4px 4px rgb(115, 76,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 102.080, 305.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 76, 254) }
```

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

```
.background{ background-color: rgb(115, 76,  
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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