

Converting Colors

CIELCh(47, 38.866, 306.060)

Have a look what the booklet for
CIELCh(47, 38.866, 306.060)
contains.

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Color

CIELCh(47, 38.747, 305.945)

Conversions

Conversions Part 1

Format	Color
Hex	7A64A4
RGB	122, 100, 164
RGB Percent	48%, 39%, 64%
CMY	0.5204, 0.6067, 0.3557
CMYK	0.26, 0.39, 0.00, 0.36
HSL	261°, 26%, 52%
HSV	261°, 39%, 64%
XYZ	19.3813, 16.0195, 37.3385
YIQ	113.8740, -7.4320, 24.5680

Conversions

Conversions Part 2

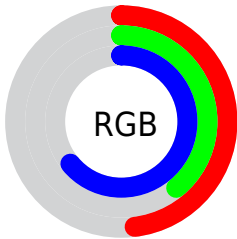
Format	Color
R _Y B	122, 100, 164
Decimal	8021156
CIE Lab	47.00, 22.74, -31.37
CIE LCh	47, 38.747, 305.945
Yxy	16.0195, 0.2664, 0.2202
Android (android.graphics.Color)	4286211236 (0xFF7A64A4)
YUV	113.8740, 24.7121, 7.1265
Hunter-Lab	40.0243, 16.3942, -27.2943

Details

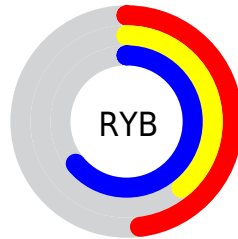
The CIELCh color $47, 38.747, 305.945$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 35.950, 121.363$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 38.691, 306.192$, and $27, 38.772, 305.741$ is the 20% darker color. If you saturate the color by 10%, you get $42, 49.305, 306.734$, and if you desaturate by 10%, it is $52, 28.374, 305.203$.

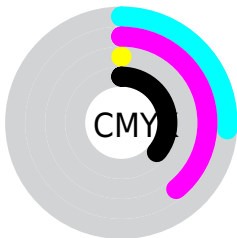
Distribution



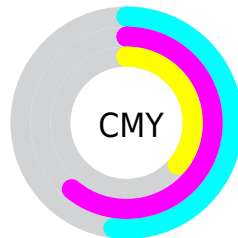
- Red (48%)
- Green (39%)
- Blue (64%)



- Red (48%)
- Yellow (39%)
- Blue (64%)



- Cyan (26%)
- Magenta (39%)
- Yellow (0%)
- Black (36%)



- Cyan (52%)
- Magenta (61%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 38.747, 305.945 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, 38.747, 305.945 by changing the saturation by 10% instead.

 47, 38.747,
305.945


 47, 38.747,
305.945


 100, 38.747,
305.945


 37, 38.747,
305.945

 67, 38.747,
305.945


 27, 38.747,
305.945

 77, 38.747,
305.945

 17, 38.747,
305.945

 87, 38.747,
305.945

 7, 38.747, 305.945

 97, 38.747,
305.945

 0, 38.747, 305.945

 47, 38.747,

 47, 38.747,

305.945

42, 49.305,
306.734

37, 59.864,
307.532

32, 70.069,
308.273

28, 79.328,
308.847

25, 86.797,
309.107

22, 92.087,
309.025

22, 92.628,
309.029

305.945

52, 28.374,
305.203

57, 18.279,
304.526

63, 8.500, 303.917

68, 0.955, 123.446

73, 10.091,
122.923

78, 18.922,
122.511

84, 27.461,
122.156

89, 35.726,
121.849

■ 94, 43.733,
121.585

Harmonies

Complementary

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



47, 38.747, 305.945



64, 35.950, 121.363

Rectangle

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



47, 38.747, 305.945



47, 38.747, 355.945



47, 38.747, 125.945



47, 38.747, 175.945

Sweetspot

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



47, 38.746, 305.945



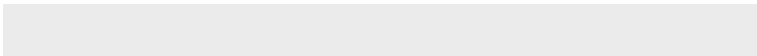
78, 14.193, 304.108



57, 18.261, 240.539



40, 9.416, 304.181



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 38.746, 305.945



55, 58.656, 306.646



50, 41.670, 321.512



32, 5.336, 303.934



19, 84.556, 309.132



1, 8.149, 302.231

Inverse Universe

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



51, 34.289, 339.150



61, 50.779, 340.001



62, 41.133, 137.580



32, 4.922, 336.726



32, 59.359, 347.735



1, 7.292, 338.699

Previews

White Background



This preview shows how the CIELCh color 47, 38.747, 305.945 looks on a white background.

Color Contrast Check

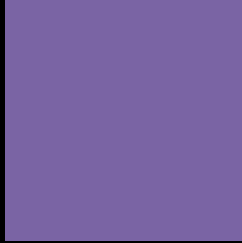
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.747, 305.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

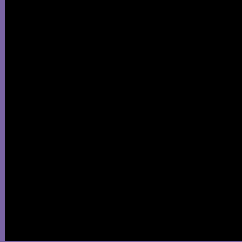
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 38.747, 305.945

Background



This preview shows how black text looks on a background with the CIELCh color 47, 38.747, 305.945.

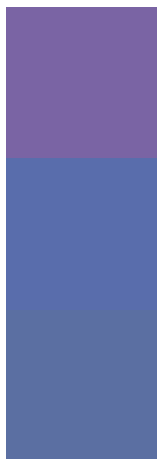


This preview shows how white text looks on a background with the CIELCh color 47, 38.747, 305.945.

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, 38.747, 305.945

Protanopia

47, 37.451, 285.867

Deuteranopia

47, 30.517, 282.223



Tritanopia
47, 5.588, 307.431

Trichromacy



Original Color
47, 38.747, 305.945

Protanomaly
47, 37.284, 292.610

Deuteranomaly
47, 33.152, 291.719

Tritanomaly
47, 17.781, 305.900

Monochromacy



Original Color
47, 38.747, 305.945

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 14.006, 304.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 38.747, 305.945 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(122, 100, 164)` looks like.

```
.text, #text, p{  
    color:rgb(122, 100, 164)  
}
```

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(122, 100, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 100, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 38.747, 305.945 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(122, 100, 164) }
```

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

```
.border{ border-color:rgb(122, 100, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 100, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 100, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 100, 164);  
box-shadow:4px 4px 4px 4px rgb(122, 100,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 38.747, 305.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 100, 164) }
```

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

```
.background{ background-color: rgb(122,  
100, 164) }
```

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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