

Converting Colors

CIELCh(47, 39.034, 305.687)

Have a look what the booklet for
CIELCh(47, 39.034, 305.687)
contains.

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Color

CIELCh(47, 39.313, 305.806)

Conversions

Conversions Part 1

Format	Color
Hex	7A64A5
RGB	122, 100, 165
RGB Percent	48%, 39%, 65%
CMY	0.5209, 0.6072, 0.3522
CMYK	0.26, 0.39, 0.00, 0.35
HSL	260°, 27%, 52%
HSV	260°, 39%, 65%
XYZ	19.4318, 16.0195, 37.7514
YIQ	113.9880, -7.7530, 24.8790

Conversions

Conversions Part 2

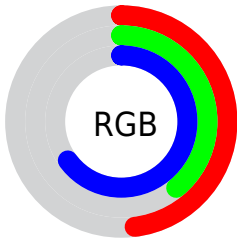
Format	Color
R_{YB}	122, 100, 165
Decimal	8021157
CIE _{Lab}	47.00, 23.00, -31.88
CIE _{LCh}	47, 39.313, 305.806
Yxy	16.0195, 0.2655, 0.2188
Android (android.graphics.Color)	4286211237 (0xFF7A64A5)
YUV	113.9880, 25.1489, 7.0265
Hunter-Lab	40.0243, 16.6190, -27.9060

Details

The CIELCh color $47, 39.313, 305.806$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $65, 36.418, 121.130$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 39.222, 306.037$, and $27, 39.381, 305.634$ is the 20% darker color. If you saturate the color by 10%, you get $42, 49.926, 306.608$, and if you desaturate by 10%, it is $52, 28.885, 305.053$.

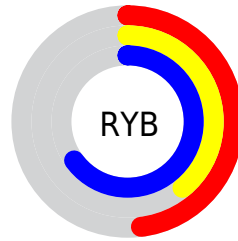
Distribution



Red (48%)

Green (39%)

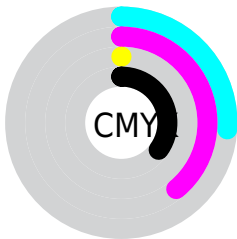
Blue (65%)



Red (48%)

Yellow (39%)

Blue (65%)

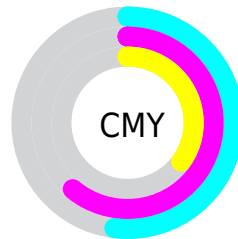


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (61%)

Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 39.313, 305.806 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, 39.313, 305.806 by changing the saturation by 10% instead.

 47, 39.313,
305.806


 47, 39.313,
305.806


 100, 39.313,
305.806


 37, 39.313,
305.806


 67, 39.313,
305.806


 27, 39.313,
305.806


 77, 39.313,
305.806

 17, 39.313,
305.806

 87, 39.313,
305.806

 7, 39.313, 305.806

 97, 39.313,
305.806

 0, 39.313, 305.806

 47, 39.313,

 47, 39.313,

305.806

42, 49.926,
306.608

37, 60.536,
307.419

32, 70.778,
308.171

28, 80.046,
308.752

25, 87.476,
309.012

22, 92.750,
308.941

22, 93.087,
308.944

305.806

52, 28.885,
305.053

58, 18.739,
304.365

63, 8.911, 303.747

68, 0.591, 123.301

73, 9.771, 122.739

79, 18.642,
122.321

84, 27.220,
121.961

89, 35.522,
121.650

94, 43.564,

Harmonies

Complementary

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



47, 39.313, 305.806



65, 36.418, 121.130

Rectangle

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



47, 39.313, 305.806



47, 39.313, 355.806



47, 39.313, 125.806



47, 39.313, 175.806

Sweetspot

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



47, 39.312, 305.806



78, 14.182, 303.916



57, 18.502, 240.614



40, 9.409, 303.990



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, 39.312, 305.806



55, 58.639, 306.485



50, 42.265, 321.529



32, 5.332, 303.741



19, 84.640, 309.050



1, 8.143, 302.050

Inverse Universe

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



51, 34.896, 338.936



61, 50.952, 339.740



63, 41.717, 137.551



32, 4.941, 336.494



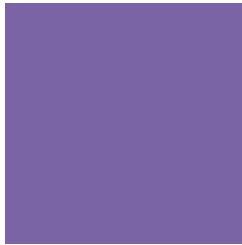
32, 59.539, 347.326



1, 7.320, 338.451

Previews

White Background



This preview shows how the CIELCh color 47, 39.313, 305.806 looks on a white background.

Color Contrast Check

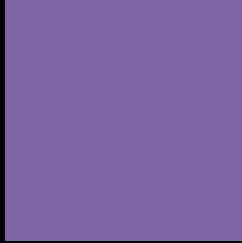
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.313, 305.806 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, 39.313, 305.806

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.313, 305.806.

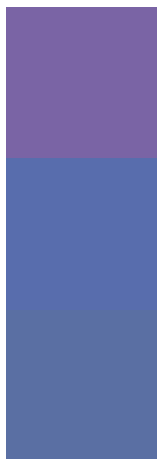


This preview shows how white text looks on a background with the CIELCh color 47, 39.313, 305.806.

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, 39.313, 305.806

Protanopia

47, 38.056, 285.711

Deuteranopia

47, 31.132, 282.042



Tritanopia
47, 5.484, 303.439

Trichromacy



Original Color
47, 39.313, 305.806

Protanomaly
47, 37.875, 292.271

Deuteranomaly
47, 33.735, 291.848

Tritanomaly
47, 18.274, 304.337

Monochromacy



Original Color
47, 39.313, 305.806

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.582, 304.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.313, 305.806 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(122, 100, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 100, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.313, 305.806 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, 165) }
```

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

```
.border{ border-color:rgb(122, 100, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 100, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 100, 165);  
box-shadow:4px 4px 4px 4px rgb(122, 100,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.313, 305.806 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, 165) }
```

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

```
.background{ background-color: rgb(122,  
100, 165) }
```

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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