

Converting Colors

CIELCh(47, 30.482, 311.707)

Have a look what the booklet for
CIELCh(47, 30.482, 311.707)
contains.

CIELCh(47, 30.607, 311.633)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 30.607, 311.633)

Conversions

Conversions Part 1

Format	Color
Hex	7F6596
RGB	127, 101, 150
RGB Percent	50%, 40%, 59%
CMY	0.5020, 0.6039, 0.4118
CMYK	0.15, 0.33, 0.00, 0.41
HSL	272°, 20%, 49%
HSV	272°, 33%, 59%
XYZ	18.9089, 16.0195, 30.9468
YIQ	114.3600, -0.2330, 20.7510

Conversions

Conversions Part 2

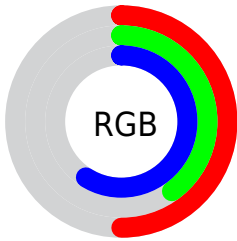
Format	Color
R_{YB}	127, 101, 150
Decimal	8349078
CIE _{Lab}	47.00, 20.33, -22.88
CIE _{LCh}	47, 30.607, 311.633
Yxy	16.0195, 0.2870, 0.2432
Android (android.graphics.Color)	4286539158 (0xFF7F6596)
YUV	114.3600, 17.5705, 11.0853
Hunter-Lab	40.0243, 14.2873, -17.8260

Details

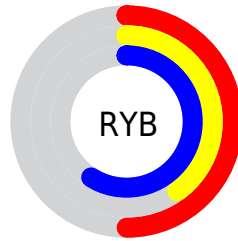
The CIELCh color $47, 30.607, 311.633$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 29.361, 128.664$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 30.513, 311.566$, and $27, 30.474, 311.558$ is the 20% darker color. If you saturate the color by 10%, you get $43, 40.299, 312.134$, and if you desaturate by 10%, it is $52, 21.004, 311.138$.

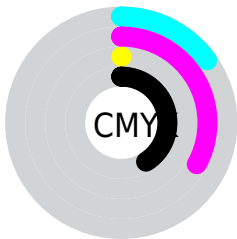
Distribution



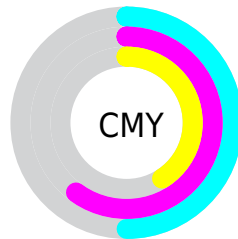
- Red (50%)
- Green (40%)
- Blue (59%)



- Red (50%)
- Yellow (40%)
- Blue (59%)



- Cyan (15%)
- Magenta (33%)
- Yellow (0%)
- Black (41%)





- Cyan (50%)
- Magenta (60%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.607, 311.633 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, 30.607, 311.633 by changing the saturation by 10% instead.


 47, 30.607,
311.633


 47, 30.607,
311.633


 100, 30.607,
311.633


 37, 30.607,
311.633

 67, 30.607,
311.633


 27, 30.607,
311.633

 77, 30.607,
311.633

 17, 30.607,
311.633

 87, 30.607,
311.633

 7, 30.607, 311.633

 97, 30.607,
311.633

 0, 30.607, 311.633

 47, 30.607,

 47, 30.607,

311.633

43, 40.299,
312.134

38, 49.917,
312.613

34, 59.191,
313.025

30, 67.708,
313.303

27, 74.917,
313.359

25, 80.219,
313.093

23, 83.305,
312.800

311.633

52, 21.004,
311.138

56, 11.590,
310.666

61, 2.412, 310.197

65, 6.508, 129.860

70, 15.162,
129.495

75, 23.553,
129.175

79, 31.691,
128.893

84, 39.585,
128.646

■ 89, 47.249,
128.431

Harmonies

Complementary

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



47, 30.607, 311.633



59, 29.361, 128.664

Rectangle

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



47, 30.607, 311.633



47, 30.607, 1.633



47, 30.607, 131.633



47, 30.607, 181.633

Sweetspot

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



47, 30.606, 311.633



73, 11.239, 310.553



51, 16.574, 262.329



37, 7.659, 310.611



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 30.606, 311.633



56, 45.305, 311.990



49, 33.463, 326.624



29, 5.087, 310.507



21, 78.212, 312.886



1, 4.398, 310.128

Inverse Universe

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



49, 23.810, 348.441



59, 35.043, 349.311



58, 33.475, 142.616



29, 3.986, 346.050



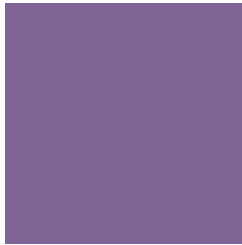
29, 53.472, 3.729



1, 3.446, 345.329

Previews

White Background



This preview shows how the CIELCh color 47, 30.607, 311.633 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, 30.607, 311.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

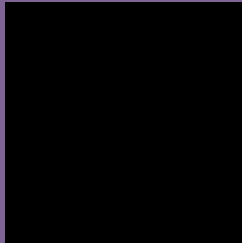
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.607, 311.633

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.607, 311.633.



This preview shows how white text looks on a background with the CIELCh color 47, 30.607, 311.633.

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, 30.607, 311.633

Protanopia
47, 27.967, 285.082

Deuteranopia
47, 22.575, 286.136



Tritanopia
47, 7.118, 338.652

Trichromacy



Original Color
47, 30.607, 311.633

Protanomaly
47, 27.869, 294.538

Deuteranomaly
47, 24.977, 296.678

Tritanomaly
47, 15.407, 319.037

Monochromacy



Original Color
47, 30.607, 311.633

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 11.396, 311.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.607, 311.633 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(127, 101, 150)` looks like.

```
.text, #text, p{  
    color:rgb(127, 101, 150)  
}
```

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(127, 101, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 101, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.607, 311.633 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(127, 101, 150) }
```

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

```
.border{ border-color:rgb(127, 101, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 101, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 101, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 101, 150);  
box-shadow:4px 4px 4px 4px rgb(127, 101,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.607, 311.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 101, 150) }
```

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

```
.background{ background-color: rgb(127,  
101, 150) }
```

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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