

Converting Colors

CIELCh(47, 18.203, 310.126)

Have a look what the booklet for
CIELCh(47, 18.203, 310.126)
contains.

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Color

CIELCh(47, 18.075, 309.455)

Conversions

Conversions Part 1

Format	Color
Hex	786A87
RGB	120, 106, 135
RGB Percent	47%, 42%, 53%
CMY	0.5298, 0.5847, 0.4710
CMYK	0.11, 0.21, 0.00, 0.47
HSL	269°, 12%, 47%
HSV	269°, 21%, 53%
XYZ	17.2410, 16.0195, 25.0666
YIQ	113.4920, -0.9650, 11.9870

Conversions

Conversions Part 2

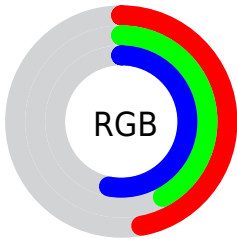
Format	Color
R_{YB}	120, 106, 135
Decimal	7891591
CIE _{Lab}	47.00, 11.49, -13.96
CIE _{LCh}	47, 18.075, 309.455
Yxy	16.0195, 0.2956, 0.2746
Android (android.graphics.Color)	4286081671 (0xFF786A87)
YUV	113.4920, 10.6034, 5.7075
Hunter-Lab	40.0243, 6.8486, -9.1154

Details

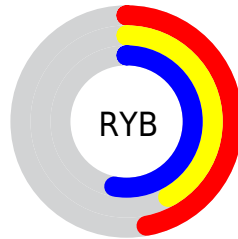
The CIELCh color $47, 18.075, 309.455$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $54, 17.549, 127.506$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 18.073, 309.266$, and $27, 17.696, 309.137$ is the 20% darker color. If you saturate the color by 10%, you get $43, 26.814, 309.978$, and if you desaturate by 10%, it is $51, 9.534, 308.963$.

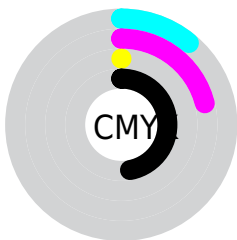
Distribution



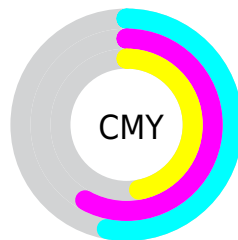
- Red (47%)
- Green (42%)
- Blue (53%)



- Red (47%)
- Yellow (42%)
- Blue (53%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (47%)



- Cyan (53%)
- Magenta (58%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.075, 309.455 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, 18.075, 309.455 by changing the saturation by 10% instead.

■ 47, 18.075,
309.455

■ 47, 18.075,
309.455

■ 100, 18.075,
309.455

■ 37, 18.075,
309.455

■ 67, 18.075,
309.455

■ 27, 18.075,
309.455

■ 77, 18.075,
309.455

■ 17, 18.075,
309.455

■ 87, 18.075,
309.455

■ 7, 18.075, 309.455

■ 97, 18.075,
309.455

■ 0, 18.075, 309.455

■ 47, 18.075,

■ 47, 18.075,

309.455

309.455

43, 26.814,
309.978

51, 9.534, 308.963

39, 35.688,
310.522

56, 1.227, 308.457

60, 6.835, 128.136

34, 44.572,
311.062

64, 14.651,
127.771

31, 53.252,
311.556

69, 22.227,
127.452

27, 61.389,
311.941

73, 29.572,
127.172

24, 68.497,
312.127

77, 36.698,
126.928

21, 73.990,
312.008

81, 43.616,
126.717

20, 77.818,
311.803

85, 50.338,

Harmonies

Complementary

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



47, 18.075, 309.455



54, 17.549, 127.506

Rectangle

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



47, 18.075, 309.455



47, 18.075, 359.455



47, 18.075, 129.455



47, 18.075, 179.455

Sweetspot

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



47, 18.074, 309.454



69, 6.139, 308.710



50, 9.622, 254.647



36, 4.107, 308.736



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 18.074, 309.454



58, 27.340, 309.717



48, 20.270, 324.631



26, 4.597, 308.850



19, 75.756, 311.843



0, 1.088, 308.460

Inverse Universe

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



48, 14.696, 344.516



60, 22.156, 345.009



53, 20.232, 142.278



26, 3.757, 343.404



27, 51.758, 359.066



0, 0.891, 342.728

Previews

White Background



This preview shows how the CIELCh color 47, 18.075, 309.455 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, 18.075, 309.455 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, 18.075, 309.455

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.075, 309.455.



This preview shows how white text looks on a background with the CIELCh color 47, 18.075, 309.455.

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, 18.075, 309.455

Protanopia

47, 16.639, 286.151

Deuteranopia

47, 14.858, 295.047



Tritanopia
47, 6.256, 321.723

Trichromacy



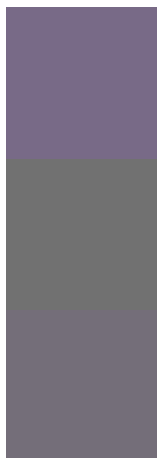
Original Color
47, 18.075, 309.455

Protanomaly
47, 16.611, 293.669

Deuteranomaly
47, 15.630, 300.523

Tritanomaly
47, 10.316, 313.820

Monochromacy



Original Color
47, 18.075, 309.455

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 6.965, 311.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.075, 309.455 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(120, 106, 135)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 135)  
}
```

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(120, 106, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.075, 309.455 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(120, 106, 135) }
```

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

```
.border{ border-color:rgb(120, 106, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 135);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.075, 309.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 135) }
```

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

```
.background{ background-color: rgb(120,  
106, 135) }
```

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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