

Converting Colors

CIELCh(47, 18.021, 311.902)

Have a look what the booklet for
CIELCh(47, 18.021, 311.902)
contains.

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Color

CIELCh(47, 17.632, 311.214)

Conversions

Conversions Part 1

Format	Color
Hex	796A86
RGB	121, 106, 134
RGB Percent	47%, 42%, 53%
CMY	0.5265, 0.5853, 0.4755
CMYK	0.10, 0.21, 0.00, 0.48
HSL	272°, 12%, 47%
HSV	272°, 21%, 52%
XYZ	17.2650, 16.0195, 24.6442
YIQ	113.6770, -0.0480, 11.8880

Conversions

Conversions Part 2

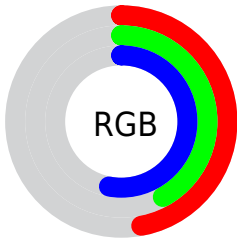
Format	Color
R_{YB}	121, 106, 134
Decimal	7957126
CIE Lab	47.00, 11.62, -13.26
CIE LCh	47, 17.632, 311.214
Yxy	16.0195, 0.2980, 0.2765
Android (android.graphics.Color)	4286147206 (0xFF796A86)
YUV	113.6770, 10.0192, 6.4223
Hunter-Lab	40.0243, 6.9555, -8.4897

Details

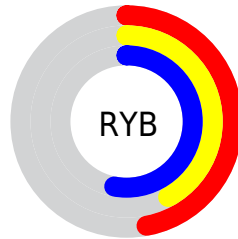
The CIELCh color $47, 17.632, 311.214$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $54, 17.189, 129.405$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.786, 312.048$, and $27, 17.192, 311.043$ is the 20% darker color. If you saturate the color by 10%, you get $43, 26.349, 311.696$, and if you desaturate by 10%, it is $51, 9.090, 310.753$.

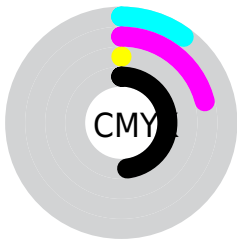
Distribution



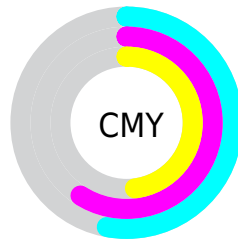
- Red (47%)
- Green (42%)
- Blue (53%)



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



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (48%)




- Cyan (53%)
- Magenta (59%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 17.632, 311.214 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, 17.632, 311.214 by changing the saturation by 10% instead.


 47, 17.632,
311.214


 47, 17.632,
311.214


 100, 17.632,
311.214


 37, 17.632,
311.214

 67, 17.632,
311.214


 27, 17.632,
311.214

 77, 17.632,
311.214

 17, 17.632,
311.214


 87, 17.632,
311.214

 7, 17.632, 311.214

 97, 17.632,
311.214

 0, 17.632, 311.214

 47, 17.632,

 47, 17.632,

311.214

43, 26.349,
311.696

39, 35.168,
312.188

35, 43.954,
312.665

31, 52.489,
313.087

28, 60.435,
313.394

25, 67.328,
313.507

22, 72.634,
313.330

20, 76.477,
313.040

311.214

51, 9.090, 310.753

55, 0.766, 310.216

60, 7.324, 129.971

64, 15.175,
129.619

68, 22.791,
129.308

72, 30.179,
129.035

76, 37.349,
128.794

81, 44.313,
128.584

85, 51.081,

Harmonies

Complementary

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



47, 17.632, 311.214



54, 17.189, 129.405

Rectangle

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



47, 17.632, 311.214



47, 17.632, 1.214



47, 17.632, 131.214



47, 17.632, 181.214

Sweetspot

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



47, 17.631, 311.213



68, 6.134, 310.538



49, 9.879, 261.900



35, 4.054, 310.562



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 17.631, 311.213



58, 26.182, 311.435



48, 19.346, 326.456



26, 4.648, 310.672



20, 74.923, 313.070



0, 1.101, 310.302

Inverse Universe

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



48, 13.737, 347.444



59, 20.370, 347.920



53, 19.329, 144.038



26, 3.627, 346.322



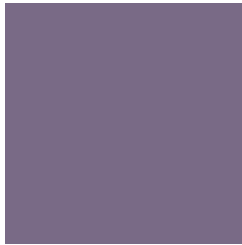
27, 51.293, 3.931



0, 0.859, 345.613

Previews

White Background



This preview shows how the CIELCh color 47, 17.632, 311.214 looks on a white background.

Color Contrast Check

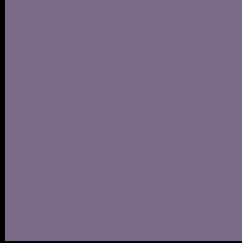
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.632, 311.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

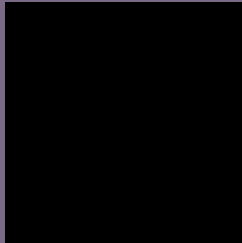
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 17.632, 311.214

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.632, 311.214.



This preview shows how white text looks on a background with the CIELCh color 47, 17.632, 311.214.

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

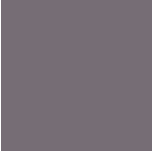
47, 17.632, 311.214

Protanopia

47, 16.054, 285.820

Deuteranopia

47, 14.296, 296.606



Tritanopia
47, 5.998, 328.000

Trichromacy



Original Color
47, 17.632, 311.214

Protanomaly
47, 16.679, 296.223

Deuteranomaly
47, 15.109, 302.231

Tritanomaly
47, 9.943, 317.261

Monochromacy



Original Color
47, 17.632, 311.214

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, 17.632, 311.214 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(121, 106, 134)` looks like.

```
.text, #text, p{  
    color:rgb(121, 106, 134)  
}
```

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(121, 106, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 106, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.632, 311.214 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(121, 106, 134) }
```

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

```
.border{ border-color:rgb(121, 106, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 106, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 106, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 106, 134);  
box-shadow:4px 4px 4px 4px rgb(121, 106,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.632, 311.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 106, 134) }
```

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

```
.background{ background-color: rgb(121,  
106, 134) }
```

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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