

Converting Colors

CIELCh(47, 14.025, 314.579)

Have a look what the booklet for
CIELCh(47, 14.025, 314.579)
contains.

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Color

CIELCh(47, 13.647, 315.324)

Conversions

Conversions Part 1

Format	Color
Hex	796B80
RGB	121, 107, 128
RGB Percent	47%, 42%, 50%
CMY	0.5270, 0.5819, 0.4996
CMYK	0.05, 0.16, 0.00, 0.50
HSL	280°, 9%, 46%
HSV	280°, 16%, 50%
XYZ	16.9174, 16.0195, 22.4852
YIQ	113.5800, 1.6030, 9.4990

Conversions

Conversions Part 2

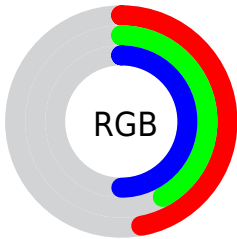
Format	Color
R_{YB}	121, 107, 128
Decimal	7957376
CIE Lab	47.00, 9.70, -9.60
CIE LCh	47, 13.647, 315.324
Yxy	16.0195, 0.3052, 0.2890
Android (android.graphics.Color)	4286147456 (0xFF796B80)
YUV	113.5800, 7.1091, 6.5073
Hunter-Lab	40.0243, 5.4056, -5.2915

Details

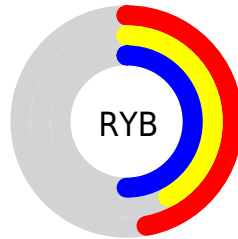
The CIELCh color $[47, 13.647, 315.324]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[52, 13.461, 133.983]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 13.932, 314.715]$, and $[27, 13.412, 314.457]$ is the 20% darker color. If you saturate the color by 10%, you get $[43, 22.137, 315.750]$, and if you desaturate by 10%, it is $[51, 5.294, 314.899]$.

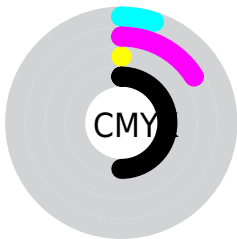
Distribution



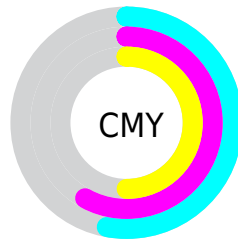
- Red (47%)
- Green (42%)
- Blue (50%)



- Red (47%)
- Yellow (42%)
- Blue (50%)



- Cyan (5%)
- Magenta (16%)
- Yellow (0%)
- Black (50%)





- Cyan (53%)
- Magenta (58%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.647, 315.324 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, 13.647, 315.324 by changing the saturation by 10% instead.


 47, 13.647,
315.324


 47, 13.647,
315.324


 100, 13.647,
315.324


 37, 13.647,
315.324

 67, 13.647,
315.324


 27, 13.647,
315.324

 77, 13.647,
315.324


 17, 13.647,
315.324


 87, 13.647,
315.324

 7, 13.647, 315.324

 97, 13.647,
315.324

 0, 13.647, 315.324

 47, 13.647,

 47, 13.647,

315.324

43, 22.137,
315.750

39, 30.685,
316.173

36, 39.157,
316.572

32, 47.349,
316.915

29, 54.969,
317.160

26, 61.634,
317.251

24, 66.917,
317.122

22, 70.675,
316.757

315.324

51, 5.294, 314.899

55, 2.872, 134.575

59, 10.827,
134.182

63, 18.561,
133.844

67, 26.073,
133.538

71, 33.368,
133.263

75, 40.453,
133.016

78, 47.339,
132.796

■ 22, 71.986,
316.642

■ 82, 54.034,
132.600

Harmonies

Complementary

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



47, 13.647, 315.324



52, 13.461, 133.983

Rectangle

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



47, 13.647, 315.324



47, 13.647, 5.324



47, 13.647, 135.324



47, 13.647, 185.324

Sweetspot

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



47, 13.645, 315.323



66, 5.079, 314.839



48, 8.452, 271.976



34, 3.494, 314.866



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 13.645, 315.323



58, 20.630, 315.494



48, 13.483, 329.777



25, 4.638, 315.012



22, 71.944, 316.643



0, 0.000, 0.000

Inverse Universe

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



47, 9.594, 355.204



59, 14.543, 355.643



51, 13.449, 147.813



25, 3.244, 354.443



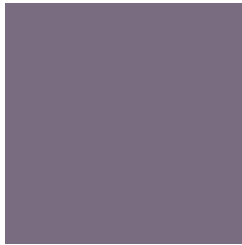
26, 51.322, 16.106



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.647, 315.324 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, 13.647, 315.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

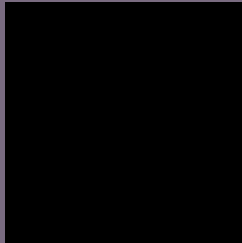
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.647, 315.324

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.647, 315.324.



This preview shows how white text looks on a background with the CIELCh color 47, 13.647, 315.324.

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, 13.647, 315.324

Protanopia

47, 11.278, 285.939

Deuteranopia

47, 10.957, 303.829



Tritanopia
47, 6.971, 330.410

Trichromacy



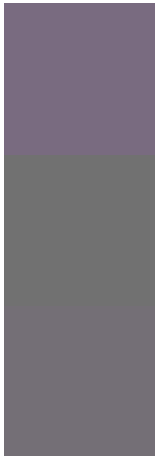
Original Color
47, 13.647, 315.324

Protanomaly
47, 11.986, 299.100

Deuteranomaly
47, 11.847, 308.814

Tritanomaly
47, 9.830, 323.048

Monochromacy



Original Color
47, 13.647, 315.324

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.624, 316.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.647, 315.324 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, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(121, 107, 128)  
}
```

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, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 107, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.647, 315.324 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, 107, 128) }
```

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

```
.border{ border-color:rgb(121, 107, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 107, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 107, 128);  
box-shadow:4px 4px 4px 4px rgb(121, 107,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.647, 315.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 107, 128) }
```

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

```
.background{ background-color: rgb(121,  
107, 128) }
```

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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