

Converting Colors

CIELCh(47, 13.427, 316.927)

Have a look what the booklet for
CIELCh(47, 13.427, 316.927)
contains.

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Color

CIELCh(47, 13.113, 316.362)

Conversions

Conversions Part 1

Format	Color
Hex	796B7F
RGB	121, 107, 127
RGB Percent	47%, 42%, 50%
CMY	0.5267, 0.5816, 0.5032
CMYK	0.05, 0.16, 0.00, 0.50
HSL	282°, 9%, 46%
HSV	282°, 16%, 50%
XYZ	16.8788, 16.0195, 22.1752
YIQ	113.4660, 1.9240, 9.1880

Conversions

Conversions Part 2

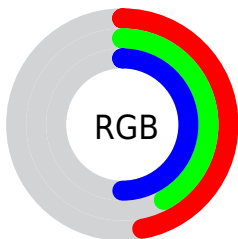
Format	Color
R_{YB}	121, 107, 127
Decimal	7957375
CIE _{Lab}	47.00, 9.49, -9.05
CIE _{LCh}	47, 13.113, 316.362
Yxy	16.0195, 0.3065, 0.2909
Android (android.graphics.Color)	4286147455 (0xFF796B7F)
YUV	113.4660, 6.6723, 6.6073
Hunter-Lab	40.0243, 5.2333, -4.8322

Details

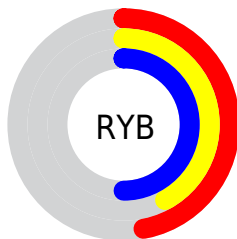
The CIELCh color $47, 13.113, 316.362$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 12.959, 135.070$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 13.430, 315.649$, and $27, 12.821, 315.550$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.597, 316.785$, and if you desaturate by 10%, it is $51, 4.755, 315.934$.

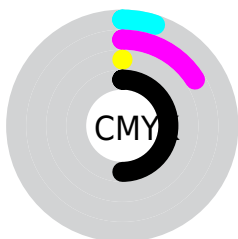
Distribution



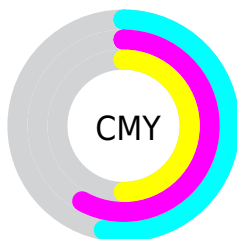
- Red (47%)
- Green (42%)
- Blue (50%)



- 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, 13.113, 316.362 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, 13.113, 316.362 by changing the saturation by 10% instead.


 47, 13.113,
316.362


 47, 13.113,
316.362


 100, 13.113,
316.362


 37, 13.113,
316.362

 67, 13.113,
316.362


 27, 13.113,
316.362

 77, 13.113,
316.362


 17, 13.113,
316.362

 87, 13.113,
316.362

 7, 13.113, 316.362

 97, 13.113,
316.362

 0, 13.113, 316.362

 47, 13.113,

 47, 13.113,

316.362

43, 21.597,
316.785

40, 30.126,
317.202

36, 38.561,
317.593

33, 46.696,
317.928

30, 54.241,
318.167

27, 60.825,
318.258

25, 66.039,
318.144

23, 69.700,
317.798

316.362

51, 4.755, 315.934

55, 3.422, 135.609

59, 11.391,
135.217

63, 19.143,
134.874

66, 26.673,
134.562

70, 33.987,
134.279

74, 41.090,
134.024

78, 47.993,
133.795

■ 22, 71.181,
317.661

■ 82, 54.705,
133.590

Harmonies

Complementary

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



47, 13.113, 316.362



51, 12.959, 135.070

Rectangle

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



47, 13.113, 316.362



47, 13.113, 6.362



47, 13.113, 136.362



47, 13.113, 186.362

Sweetspot

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



47, 13.111, 316.361



66, 5.123, 315.905



48, 8.365, 274.503



34, 3.524, 315.931



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, 13.111, 316.361



59, 19.734, 316.517



47, 12.559, 330.872



25, 4.678, 316.079



23, 71.511, 317.655



0, 0.000, 0.000

Inverse Universe

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



47, 8.992, 357.417



59, 13.580, 357.822



51, 12.519, 148.953



25, 3.188, 356.717



26, 51.946, 19.140



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.113, 316.362 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, 13.113, 316.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

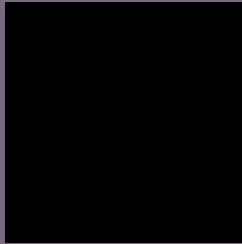
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.113, 316.362

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.113, 316.362.



This preview shows how white text looks on a background with the CIELCh color 47, 13.113, 316.362.

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, 13.113, 316.362

Protanopia

47, 10.691, 285.520

Deuteranopia

47, 10.380, 304.490



Tritanopia
47, 6.971, 330.410

Trichromacy



Original Color
47, 13.113, 316.362

Protanomaly
47, 11.400, 299.431

Deuteranomaly
47, 11.285, 309.686

Tritanomaly
47, 9.108, 322.852

Monochromacy



Original Color
47, 13.113, 316.362

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, 13.113, 316.362 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(121, 107, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 107, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.113, 316.362 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, 127) }
```

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

```
.border{ border-color:rgb(121, 107, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 107, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 107, 127); box-shadow:4px 4px 4px 4px rgb(121, 107, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.113, 316.362 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, 127) }
```

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

```
.background{ background-color: rgb(121,  
107, 127) }
```

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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