

Converting Colors

CIELCh(47, 18.995, 325.064)

Have a look what the booklet for
CIELCh(47, 18.995, 325.064)
contains.

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Color

CIELCh(47, 18.980, 324.486)

Conversions

Conversions Part 1

Format	Color
Hex	816782
RGB	129, 103, 130
RGB Percent	51%, 40%, 51%
CMY	0.4936, 0.5956, 0.4897
CMYK	0.01, 0.21, 0.00, 0.49
HSL	298°, 12%, 46%
HSV	298°, 21%, 51%
XYZ	17.9754, 16.0195, 23.3113
YIQ	113.8520, 6.8290, 13.9090

Conversions

Conversions Part 2

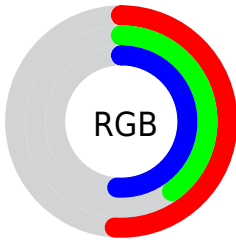
Format	Color
R _Y B	129, 103, 130
Decimal	8480642
CIE Lab	47.00, 15.45, -11.03
CIE LCh	47, 18.980, 324.486
Yxy	16.0195, 0.3137, 0.2795
Android (android.graphics.Color)	4286670722 (0xFF816782)
YUV	113.8520, 7.9610, 13.2848
Hunter-Lab	40.0243, 10.1239, -6.5152

Details

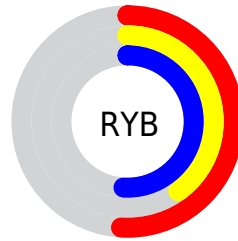
The CIELCh color $[47, 18.980, 324.486]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[52, 18.939, 142.242]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 19.136, 324.331]$, and $[27, 18.885, 323.654]$ is the 20% darker color. If you saturate the color by 10%, you get $[44, 28.114, 324.981]$, and if you desaturate by 10%, it is $[51, 9.792, 323.974]$.

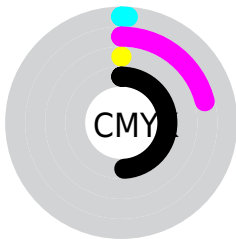
Distribution



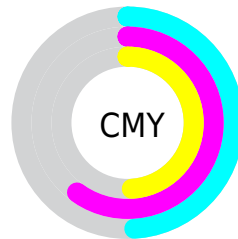
- Red (51%)
- Green (40%)
- Blue (51%)



- Red (51%)
- Yellow (40%)
- Blue (51%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (49%)
- Magenta (60%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.980, 324.486 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, 18.980, 324.486 by changing the saturation by 10% instead.

 47, 18.980,
324.486

 47, 18.980,
324.486

 100, 18.980,
324.486

 37, 18.980,
324.486

 67, 18.980,
324.486

 27, 18.980,
324.486

 77, 18.980,
324.486

 17, 18.980,
324.486


 87, 18.980,
324.486

 7, 18.980, 324.486

 97, 18.980,
324.486

 0, 18.980, 324.486

 47, 18.980,

 47, 18.980,

324.486

44, 28.114,
324.981

40, 37.015,
325.450

38, 45.435,
325.876

35, 53.068,
326.242

33, 59.577,
326.528

31, 64.648,
326.718

30, 68.076,
326.801

29, 70.280,
326.819

324.486

51, 9.792, 323.974

54, 0.683, 323.225

58, 8.263, 143.021

62, 16.995,
142.533

65, 25.485,
142.074

69, 33.722,
141.641

73, 41.705,
141.233

77, 49.438,
140.852

81, 56.930,

Harmonies

Complementary

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



47, 18.980, 324.486



52, 18.939, 142.242

Rectangle

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



47, 18.980, 324.486



47, 18.980, 14.486



47, 18.980, 144.486



47, 18.980, 194.486

Sweetspot

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



47, 18.978, 324.486



66, 6.725, 323.728



45, 15.327, 290.434



34, 4.441, 323.756



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, 18.978, 324.486



58, 28.228, 324.727



47, 14.065, 342.700



26, 5.212, 323.890



29, 70.247, 326.819



0, 1.241, 323.449

Inverse Universe

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



46, 11.519, 17.923



57, 17.412, 18.427



52, 13.793, 159.375



26, 3.051, 16.878



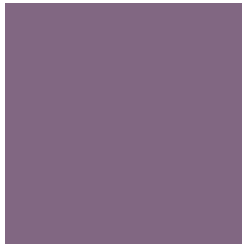
26, 61.002, 37.038



0, 0.709, 16.326

Previews

White Background



This preview shows how the CIELCh color 47, 18.980, 324.486 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, 18.980, 324.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

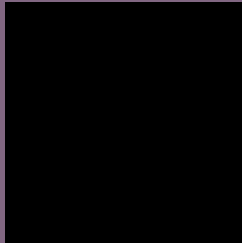
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 18.980, 324.486

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.980, 324.486.



This preview shows how white text looks on a background with the CIELCh color 47, 18.980, 324.486.

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, 18.980, 324.486

Protanopia

47, 14.275, 284.677

Deuteranopia

47, 12.044, 300.915



Tritanopia
47, 9.856, 352.088

Trichromacy



Original Color
47, 18.980, 324.486

Protanomaly
47, 15.046, 300.804

Deuteranomaly
47, 14.043, 312.877

Tritanomaly
47, 12.860, 337.536

Monochromacy



Original Color
47, 18.980, 324.486

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.174, 324.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.980, 324.486 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(129, 103, 130)` looks like.

```
.text, #text, p{  
    color:rgb(129, 103, 130)  
}
```

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(129, 103, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 103, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.980, 324.486 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(129, 103, 130) }
```

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

```
.border{ border-color:rgb(129, 103, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 103, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 103, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 103, 130);  
box-shadow:4px 4px 4px 4px rgb(129, 103,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.980, 324.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 103, 130) }
```

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

```
.background{ background-color: rgb(129,  
103, 130) }
```

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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