

Converting Colors

CIELCh(47, 16.240, 316.906)

Have a look what the booklet for
CIELCh(47, 16.240, 316.906)
contains.

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Color

CIELCh(47, 16.453, 317.144)

Conversions

Conversions Part 1

Format	Color
Hex	7B6982
RGB	123, 105, 130
RGB Percent	48%, 41%, 51%
CMY	0.5164, 0.5870, 0.4890
CMYK	0.05, 0.19, 0.00, 0.49
HSL	283°, 11%, 46%
HSV	283°, 19%, 51%
XYZ	17.3463, 16.0195, 23.4080
YIQ	113.2320, 2.7030, 11.5910

Conversions

Conversions Part 2

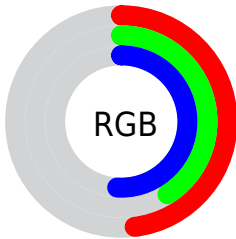
Format	Color
R_{YB}	123, 105, 130
Decimal	8087938
CIE _{Lab}	47.00, 12.06, -11.19
CIE _{LCh}	47, 16.453, 317.144
Yxy	16.0195, 0.3055, 0.2822
Android (android.graphics.Color)	4286278018 (0xFF7B6982)
YUV	113.2320, 8.2666, 8.5665
Hunter-Lab	40.0243, 7.3182, -6.6584

Details

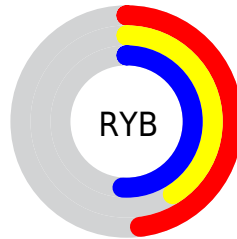
The CIELCh color $47, 16.453, 317.144$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 16.240, 135.526$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.720, 317.623$, and $27, 16.449, 316.695$ is the 20% darker color. If you saturate the color by 10%, you get $43, 25.193, 317.567$, and if you desaturate by 10%, it is $51, 7.808, 316.718$.

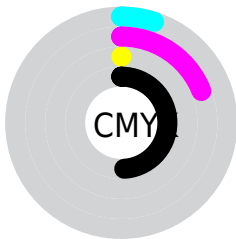
Distribution



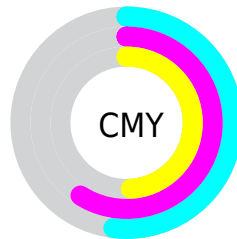
- Red (48%)
- Green (41%)
- Blue (51%)



- Red (48%)
- Yellow (41%)
- Blue (51%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)
- Black (49%)





- Cyan (52%)
- Magenta (59%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.453, 317.144 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, 16.453, 317.144 by changing the saturation by 10% instead.


 47, 16.453,
317.144


 47, 16.453,
317.144


 100, 16.453,
317.144


 37, 16.453,
317.144

 67, 16.453,
317.144


 27, 16.453,
317.144

 77, 16.453,
317.144

 17, 16.453,
317.144


 87, 16.453,
317.144

 7, 16.453, 317.144

 97, 16.453,
317.144

 0, 16.453, 317.144

 47, 16.453,

 47, 16.453,

317.144

43, 25.193,
317.567

40, 33.921,
317.976

36, 42.467,
318.347

33, 50.584,
318.648

30, 57.940,
318.836

27, 64.135,
318.858

25, 68.772,
318.658

24, 72.123,
318.290

317.144

51, 7.808, 316.718

55, 0.672, 136.536

59, 8.950, 135.969

63, 17.007,
135.608

67, 24.838,
135.279

71, 32.443,
134.979

75, 39.828,
134.708

79, 47.002,
134.463

83, 53.975,

■ 24, 72.402,
318.265

134.243

Harmonies

Complementary

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



47, 16.453, 317.144



52, 16.240, 135.526

Rectangle

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



47, 16.453, 317.144



47, 16.453, 7.144



47, 16.453, 137.144



47, 16.453, 187.144

Sweetspot

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



47, 16.451, 317.144



66, 6.264, 316.584



47, 10.855, 277.448



34, 4.137, 316.607



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, 16.451, 317.144



58, 24.381, 317.327



48, 15.291, 332.288



26, 4.859, 316.716



24, 72.294, 318.267



0, 1.154, 316.362

Inverse Universe

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



47, 11.166, 359.213



58, 16.625, 359.720



52, 15.225, 149.832



26, 3.262, 358.131



26, 53.189, 21.045



0, 0.767, 357.359

Previews

White Background



This preview shows how the CIELCh color 47, 16.453, 317.144 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, 16.453, 317.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

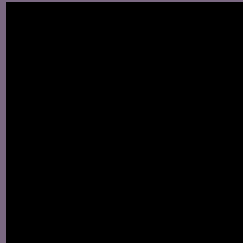
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.453, 317.144

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.453, 317.144.



This preview shows how white text looks on a background with the CIELCh color 47, 16.453, 317.144.

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, 16.453, 317.144

Protanopia

47, 13.655, 285.776

Deuteranopia

47, 12.628, 300.533



Tritanopia
47, 7.118, 338.652

Trichromacy



Original Color
47, 16.453, 317.144

Protanomaly
47, 14.335, 298.109

Deuteranomaly
47, 13.547, 306.672

Tritanomaly
47, 10.275, 326.931

Monochromacy



Original Color
47, 16.453, 317.144

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.862, 314.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.453, 317.144 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(123, 105, 130)` looks like.

```
.text, #text, p{  
    color:rgb(123, 105, 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(123, 105, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 105, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.453, 317.144 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(123, 105, 130) }
```

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

```
.border{ border-color:rgb(123, 105, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 105, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 105, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 105, 130);  
box-shadow:4px 4px 4px 4px rgb(123, 105,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.453, 317.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 105, 130) }
```

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

```
.background{ background-color: rgb(123,  
105, 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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