

Converting Colors

CIELCh(48, 16.674, 316.587)

Have a look what the booklet for
CIELCh(48, 16.674, 316.587)
contains.

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Color

CIELCh(48, 16.380, 317.128)

Conversions

Conversions Part 1

Format	Color
Hex	7E6C85
RGB	126, 108, 133
RGB Percent	49%, 42%, 52%
CMY	0.5066, 0.5772, 0.4792
CMYK	0.05, 0.19, 0.00, 0.48
HSL	283°, 10%, 47%
HSV	283°, 19%, 52%
XYZ	18.1385, 16.7945, 24.4052
YIQ	116.2320, 2.7030, 11.5910

Conversions

Conversions Part 2

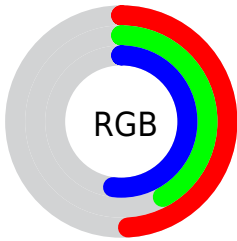
Format	Color
R_{YB}	126, 108, 133
Decimal	8285317
CIE _{Lab}	48.00, 12.00, -11.14
CIE _{LCh}	48, 16.380, 317.128
Yxy	16.7945, 0.3057, 0.2830
Android (android.graphics.Color)	4286475397 (0xFF7E6C85)
YUV	116.2320, 8.2666, 8.5665
Hunter-Lab	40.9810, 7.2887, -6.6219

Details

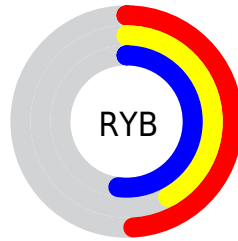
The CIELCh color $48, 16.380, 317.128$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 16.172, 135.541$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 16.667, 317.613$, and $28, 15.764, 317.623$ is the 20% darker color. If you saturate the color by 10%, you get $44, 25.254, 317.552$, and if you desaturate by 10%, it is $52, 7.604, 316.701$.

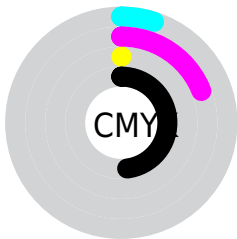
Distribution



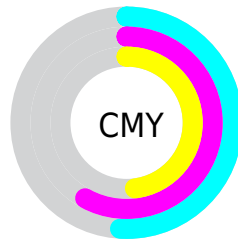
- Red (49%)
- Green (42%)
- Blue (52%)



- Red (49%)
- Yellow (42%)
- Blue (52%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)
- Black (48%)



- Cyan (51%)
- Magenta (58%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 16.380, 317.128 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 48, 16.380, 317.128 by changing the saturation by 10% instead.


 48, 16.380,
317.128


 48, 16.380,
317.128


 100, 16.380,
317.128

 38, 16.380,
317.128

 68, 16.380,
317.128


 28, 16.380,
317.128

 78, 16.380,
317.128

 18, 16.380,
317.128


 88, 16.380,
317.128

 8, 16.380, 317.128

 98, 16.380,
317.128

 0, 16.380, 317.128

 48, 16.380,

 48, 16.380,

317.128

44, 25.254,
317.552

40, 34.122,
317.962

37, 42.810,
318.336

33, 51.070,
318.640

31, 58.565,
318.831

28, 64.890,
318.858

26, 69.639,
318.664

24, 73.002,
318.286

317.128

52, 7.604, 316.701

56, 1.001, 136.455

60, 9.399, 135.952

64, 17.573,
135.592

68, 25.516,
135.264

72, 33.230,
134.965

76, 40.720,
134.694

80, 47.996,
134.450

84, 55.068,

■ 24, 73.406,
318.247

134.231

Harmonies

Complementary

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



48, 16.380, 317.128



53, 16.172, 135.541

Rectangle

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



48, 16.380, 317.128



48, 16.380, 7.128



48, 16.380, 137.128



48, 16.380, 187.128

Sweetspot

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



48, 16.378, 317.128



68, 6.418, 316.583



48, 10.806, 277.397



35, 4.241, 316.607



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 16.378, 317.128



60, 24.983, 317.328



49, 15.226, 332.266



26, 4.859, 316.714



24, 72.295, 318.265



0, 1.154, 316.360

Inverse Universe

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



48, 11.113, 359.171



60, 17.037, 359.722



53, 15.161, 149.858



26, 3.262, 358.128



26, 53.187, 21.041



0, 0.767, 357.355

Previews

White Background



This preview shows how the CIELCh color 48, 16.380, 317.128 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 48, 16.380, 317.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

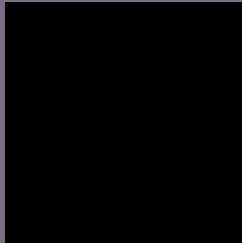
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 16.380, 317.128

Background



This preview shows how black text looks on a background with the CIELCh color 48, 16.380, 317.128.



This preview shows how white text looks on a background with the CIELCh color 48, 16.380, 317.128.

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


48, 16.380, 317.128

Protanopia

48, 13.612, 285.739

Deuteranopia

48, 12.588, 300.516



Tritanopia
48, 7.785, 337.445

Trichromacy



Original Color
48, 16.380, 317.128

Protanomaly
48, 14.289, 298.088

Deuteranomaly
48, 13.609, 308.241

Tritanomaly
48, 10.946, 326.840

Monochromacy



Original Color
48, 16.380, 317.128

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.021, 318.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 16.380, 317.128 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(126, 108, 133)` looks like.

```
.text, #text, p{  
    color:rgb(126, 108, 133)  
}
```

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(126, 108, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 108, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 16.380, 317.128 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(126, 108, 133) }
```

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

```
.border{ border-color:rgb(126, 108, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 108, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 108, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 108, 133);  
box-shadow:4px 4px 4px 4px rgb(126, 108,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 16.380, 317.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 108, 133) }
```

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

```
.background{ background-color: rgb(126,  
108, 133) }
```

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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