

Converting Colors

CIELCh(48, 10.693, 337.549)

Have a look what the booklet for
CIELCh(48, 10.693, 337.549)
contains.

CIELCh(48, 10.451, 338.228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 10.451, 338.228)

Conversions

Conversions Part 1

Format	Color
Hex	806D79
RGB	128, 109, 121
RGB Percent	50%, 43%, 47%
CMY	0.4995, 0.5739, 0.5269
CMYK	0.00, 0.15, 0.05, 0.50
HSL	322°, 8%, 46%
HSV	322°, 15%, 50%
XYZ	17.7074, 16.7945, 20.2820
YIQ	116.0490, 7.4720, 7.7600

Conversions

Conversions Part 2

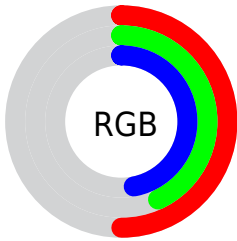
Format	Color
RYB	128, 109, 121
Decimal	8416633
CIELab	48.00, 9.71, -3.88
CIElCh	48, 10.451, 338.228
Yxy	16.7945, 0.3232, 0.3066
Android (android.graphics.Color)	4286606713 (0xFF806D79)
YUV	116.0490, 2.4408, 10.4810
Hunter-Lab	40.9810, 5.4109, -0.6566

Details

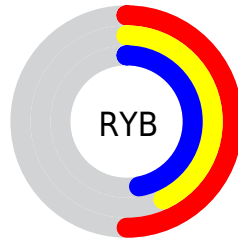
The CIELCh color $48, 10.451, 338.228$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 10.351, 156.117$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 10.071, 339.429$, and $28, 11.083, 337.160$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.565, 339.023$, and if you desaturate by 10%, it is $52, 3.397, 337.453$.

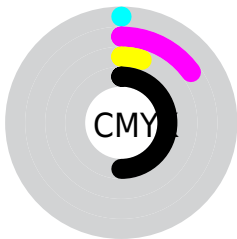
Distribution



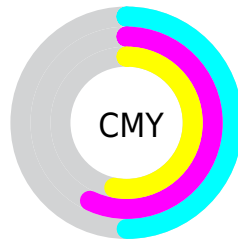
- Red (50%)
- Green (43%)
- Blue (47%)



- Red (50%)
- Yellow (43%)
- Blue (47%)



- Cyan (0%)
- Magenta (15%)
- Yellow (5%)
- Black (50%)




- Cyan (50%)
- Magenta (57%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 10.451, 338.228 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, 10.451, 338.228 by changing the saturation by 10% instead.

 48, 10.451,
338.228


 48, 10.451,
338.228


 100, 10.451,
338.228


 38, 10.451,
338.228

 68, 10.451,
338.228


 28, 10.451,
338.228

 78, 10.451,
338.228

 18, 10.451,
338.228


 88, 10.451,
338.228

 8, 10.451, 338.228

 98, 10.451,
338.228

 0, 10.451, 338.228

 48, 10.451,

 48, 10.451,

338.228

44, 17.565,
339.023

41, 24.628,
339.878

38, 31.465,
340.817

35, 37.837,
341.867

32, 43.444,
343.066

30, 47.956,
344.473

29, 51.082,
346.166

28, 52.733,
348.220

338.228

52, 3.397, 337.453

55, 3.517, 156.926

59, 10.254,
156.245

63, 16.792,
155.643

67, 23.126,
155.083

71, 29.260,
154.559

74, 35.200,
154.067

78, 40.958,
153.606

■ 27, 53.430,
349.311

■ 82, 46.547,
153.172

Harmonies

Complementary

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



48, 10.451, 338.228



52, 10.351, 156.117

Rectangle

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



48, 10.451, 338.228



48, 10.451, 28.228



48, 10.451, 158.228



48, 10.451, 208.228

Sweetspot

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



48, 10.449, 338.230



66, 3.449, 337.383



47, 11.616, 305.060



34, 2.471, 337.442



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 10.449, 338.230



60, 15.691, 338.505



48, 8.042, 9.729



25, 3.937, 337.788



27, 53.390, 349.308



0, 0.000, 0.000

Inverse Universe

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



48, 10.449, 338.230



60, 15.691, 338.505



52, 7.511, 187.333



25, 3.937, 337.788



27, 53.390, 349.308



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 10.451, 338.228 looks on a white background.

Color Contrast Check

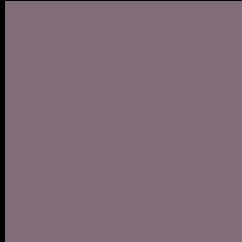
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 10.451, 338.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

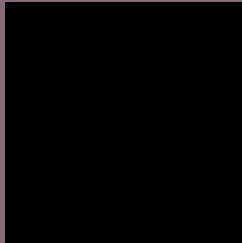
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 10.451, 338.228

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.451, 338.228.



This preview shows how white text looks on a background with the CIELCh color 48, 10.451, 338.228.

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, 10.451, 338.228

Protanopia

48, 5.903, 290.975

Deuteranopia

48, 6.939, 330.398



Tritanopia
48, 9.059, 344.780

Trichromacy



Original Color
48, 10.451, 338.228

Protanomaly
48, 7.102, 314.026

Deuteranomaly
48, 8.191, 334.417

Tritanomaly
48, 9.402, 341.842

Monochromacy



Original Color
48, 10.451, 338.228

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 4.103, 334.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.451, 338.228 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(128, 109, 121)` looks like.

```
.text, #text, p{  
    color:rgb(128, 109, 121)  
}
```

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(128, 109, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 109, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.451, 338.228 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(128, 109, 121) }
```

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

```
.border{ border-color:rgb(128, 109, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 109, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 109, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 109, 121);  
box-shadow:4px 4px 4px 4px rgb(128, 109,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.451, 338.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 109, 121) }
```

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

```
.background{ background-color: rgb(128,  
109, 121) }
```

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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