

Converting Colors

CIELCh(48, 10.813, 351.540)

Have a look what the booklet for
CIELCh(48, 10.813, 351.540)
contains.

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Color

CIELCh(48, 10.813, 351.540)

Conversions

Conversions Part 1

Format	Color
Hex	836C75
RGB	131, 108, 117
RGB Percent	51%, 42%, 46%
CMY	0.4868, 0.5770, 0.5417
CMYK	0.00, 0.18, 0.11, 0.49
HSL	337°, 10%, 47%
HSV	337°, 18%, 51%
XYZ	17.8922, 16.7945, 19.0886
YIQ	115.9030, 10.8190, 7.6750

Conversions

Conversions Part 2

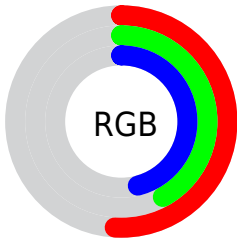
Format	Color
R_{YB}	131, 108, 117
Decimal	8612981
CIE _{Lab}	48.00, 10.70, -1.59
CIE _{LCh}	48, 10.813, 351.540
Yxy	16.7945, 0.3327, 0.3123
Android (android.graphics.Color)	4286803061 (0xFF836C75)
YUV	115.9030, 0.5408, 13.2401
Hunter-Lab	40.9810, 6.2157, 1.0699

Details

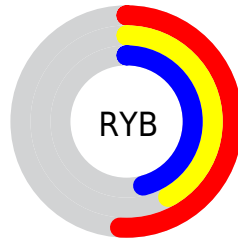
The CIELCh color $48, 10.813, 351.540$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 10.447, 168.420$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 11.043, 350.629$, and $28, 11.061, 349.949$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.167, 352.647$, and if you desaturate by 10%, it is $52, 4.589, 350.543$.

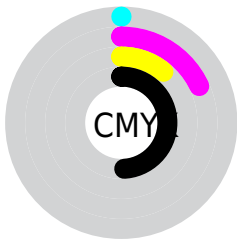
Distribution



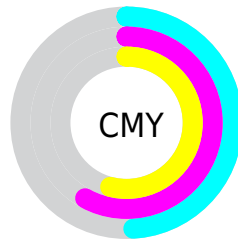
- Red (51%)
- Green (42%)
- Blue (46%)



- Red (51%)
- Yellow (42%)
- Blue (46%)



- Cyan (0%)
- Magenta (18%)
- Yellow (11%)
- Black (49%)





- Cyan (49%)
- Magenta (58%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.813, 351.540 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, 10.813, 351.540 by changing the saturation by 10% instead.


 48, 10.813,
351.540


 48, 10.813,
351.540


 100, 10.813,
351.540


 38, 10.813,
351.540

 68, 10.813,
351.540


 28, 10.813,
351.540

 78, 10.813,
351.540

 18, 10.813,
351.540


 88, 10.813,
351.540

 8, 10.813, 351.540

 98, 10.813,
351.540

 0, 10.813, 351.540

 48, 10.813,

 48, 10.813,

351.540

351.540

44, 17.167,
352.647

52, 4.589, 350.543

41, 23.555,
353.916

56, 1.443, 169.985

60, 7.257, 169.034

38, 29.819,
355.409

64, 12.845,
168.314

35, 35.738,
357.208

67, 18.213,
167.667

32, 41.034,
359.422

71, 23.369,
167.074

30, 45.418, 2.194

75, 28.329,
166.528

28, 48.681, 5.682

79, 33.107,
166.023

27, 51.022, 9.854

27, 51.624, 10.850

83, 37.720,

Harmonies

Complementary

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



48, 10.813, 351.540



53, 10.447, 168.420

Rectangle

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



48, 10.813, 351.540



48, 10.813, 41.540



48, 10.813, 171.540



48, 10.813, 221.540

Sweetspot

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



48, 10.811, 351.544



68, 3.756, 350.290



48, 14.676, 313.202



35, 2.585, 350.354



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, 10.811, 351.544



60, 16.150, 351.960



48, 8.852, 29.090



26, 3.465, 350.698



27, 51.388, 10.815



0, 0.818, 349.952

Inverse Universe

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



48, 10.811, 351.544



60, 16.150, 351.960



52, 7.903, 208.420



26, 3.465, 350.698



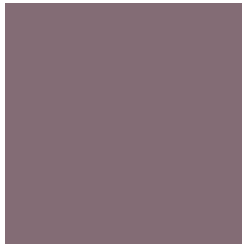
27, 51.388, 10.815



0, 0.818, 349.952

Previews

White Background



This preview shows how the CIELCh color 48, 10.813, 351.540 looks on a white background.

Color Contrast Check

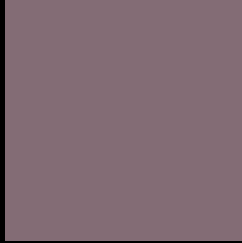
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.813, 351.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

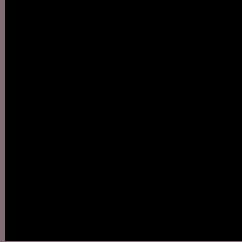
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 10.813, 351.540

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.813, 351.540.



This preview shows how white text looks on a background with the CIELCh color 48, 10.813, 351.540.

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, 10.813, 351.540

Protanopia

48, 4.158, 296.210

Deuteranopia

48, 6.085, 351.244



Tritanopia
48, 10.562, 354.362

Trichromacy



Original Color
48, 10.813, 351.540

Protanomaly
48, 5.979, 327.994

Deuteranomaly
48, 7.452, 352.078

Tritanomaly
48, 10.562, 354.362

Monochromacy



Original Color
48, 10.813, 351.540

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 3.717, 351.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.813, 351.540 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(131, 108, 117)` looks like.

```
.text, #text, p{  
    color:rgb(131, 108, 117)  
}
```

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(131, 108, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 108, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.813, 351.540 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(131, 108, 117) }
```

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

```
.border{ border-color:rgb(131, 108, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 108, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 108, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 108, 117);  
box-shadow:4px 4px 4px 4px rgb(131, 108,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.813, 351.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 108, 117) }
```

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

```
.background{ background-color: rgb(131,  
108, 117) }
```

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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