

Converting Colors

CIELCh(48, 11.855, 337.383)

Have a look what the booklet for
CIELCh(48, 11.855, 337.383)
contains.

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Color

CIELCh(48, 11.833, 336.771)

Conversions

Conversions Part 1

Format	Color
Hex	816C7A
RGB	129, 108, 122
RGB Percent	51%, 42%, 48%
CMY	0.4942, 0.5765, 0.5216
CMYK	0.00, 0.16, 0.05, 0.49
HSL	320°, 9%, 46%
HSV	320°, 16%, 51%
XYZ	17.9256, 16.7945, 20.7061
YIQ	115.8750, 8.0220, 8.8060

Conversions

Conversions Part 2

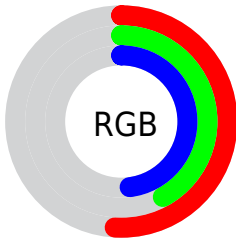
Format	Color
R_{YB}	129, 108, 122
Decimal	8481914
CIE _{Lab}	48.00, 10.87, -4.67
CIE _{LCh}	48, 11.833, 336.771
Yxy	16.7945, 0.3234, 0.3030
Android (android.graphics.Color)	4286671994 (0xFF816C7A)
YUV	115.8750, 3.0196, 11.5106
Hunter-Lab	40.9810, 6.3613, -1.2701

Details

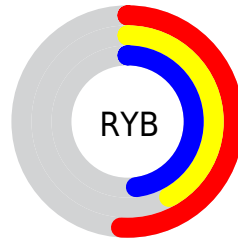
The CIELCh color $48, 11.833, 336.771$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 11.733, 154.509$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 12.018, 337.163$, and $28, 11.399, 338.824$ is the 20% darker color. If you saturate the color by 10%, you get $44, 19.176, 337.535$, and if you desaturate by 10%, it is $52, 4.529, 336.033$.

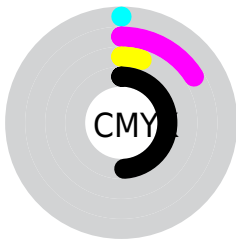
Distribution



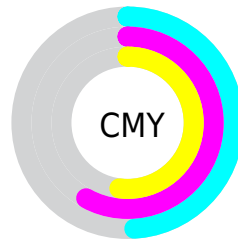
- Red (51%)
- Green (42%)
- Blue (48%)



- Red (51%)
- Yellow (42%)
- Blue (48%)



- Cyan (0%)
- Magenta (16%)
- Yellow (5%)
- Black (49%)





- Cyan (49%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 11.833, 336.771 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, 11.833, 336.771 by changing the saturation by 10% instead.


 48, 11.833,
336.771


 48, 11.833,
336.771


 100, 11.833,
336.771


 38, 11.833,
336.771

 68, 11.833,
336.771


 28, 11.833,
336.771

 78, 11.833,
336.771

 18, 11.833,
336.771


 88, 11.833,
336.771

 8, 11.833, 336.771

 98, 11.833,
336.771

 0, 11.833, 336.771

 48, 11.833,

 48, 11.833,

336.771

44, 19.176,
337.535

41, 26.433,
338.353

38, 33.414,
339.241

35, 39.864,
340.223

33, 45.470,
341.332

31, 49.896,
342.617

29, 52.859,
344.147

28, 54.378,
345.966

336.771

52, 4.529, 336.033

55, 2.648, 155.524

59, 9.651, 154.834

63, 16.457,
154.239

67, 23.055,
153.686

71, 29.448,
153.167

74, 35.641,
152.679

78, 41.646,
152.220

82, 47.474,

■ 28, 54.879,
346.655

151.789

Harmonies

Complementary

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



48, 11.833, 336.771



52, 11.733, 154.509

Rectangle

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



48, 11.833, 336.771



48, 11.833, 26.771



48, 11.833, 156.771



48, 11.833, 206.771

Sweetspot

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



48, 11.831, 336.772



67, 4.480, 335.942



47, 12.790, 303.959



34, 3.043, 335.988



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, 11.831, 336.772



60, 18.107, 337.087



48, 8.979, 7.292



25, 4.037, 336.244



27, 54.433, 346.626



0, 0.000, 0.000

Inverse Universe

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



48, 11.831, 336.772



60, 18.107, 337.087



52, 8.383, 184.509



25, 4.037, 336.244



27, 54.433, 346.626



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 11.833, 336.771 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, 11.833, 336.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

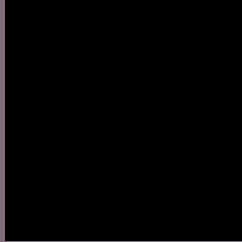
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 11.833, 336.771

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.833, 336.771.

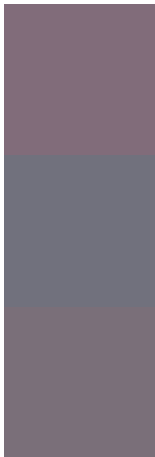


This preview shows how white text looks on a background with the CIELCh color 48, 11.833, 336.771.

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, 11.833, 336.771

Protanopia
48, 7.082, 291.129

Deuteranopia
48, 7.396, 327.466



Tritanopia
48, 9.093, 349.414

Trichromacy



Original Color
48, 11.833, 336.771

Protanomaly
48, 8.340, 313.401

Deuteranomaly
48, 8.887, 333.710

Tritanomaly
48, 9.723, 343.420

Monochromacy



Original Color
48, 11.833, 336.771

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 4.394, 337.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.833, 336.771 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, 108, 122)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 122)  
}
```

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, 108, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.833, 336.771 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, 108, 122) }
```

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

```
.border{ border-color:rgb(129, 108, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 108, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 122);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.833, 336.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 108, 122) }
```

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

```
.background{ background-color: rgb(129,  
108, 122) }
```

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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