

Converting Colors

CIELCh(48, 13.792, 338.165)

Have a look what the booklet for
CIELCh(48, 13.792, 338.165)
contains.

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Color

CIELCh(48, 13.792, 338.165)

Conversions

Conversions Part 1

Format	Color
Hex	846B7B
RGB	132, 107, 123
RGB Percent	52%, 42%, 48%
CMY	0.4831, 0.5811, 0.5184
CMYK	0.00, 0.19, 0.07, 0.48
HSL	322°, 10%, 47%
HSV	322°, 19%, 52%
XYZ	18.2898, 16.7945, 20.9570
YIQ	116.2990, 9.7640, 10.2760

Conversions

Conversions Part 2

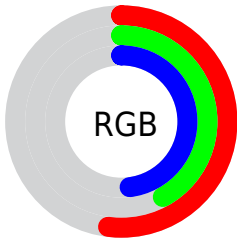
Format	Color
R_{YB}	132, 107, 123
Decimal	8678267
CIE _{Lab}	48.00, 12.80, -5.13
CIE _{LCh}	48, 13.792, 338.165
Yxy	16.7945, 0.3264, 0.2997
Android (android.graphics.Color)	4286868347 (0xFF846B7B)
YUV	116.2990, 3.3036, 13.7698
Hunter-Lab	40.9810, 7.9476, -1.6331

Details

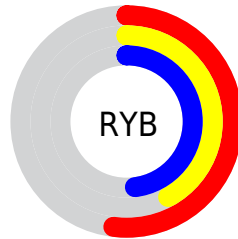
The CIELCh color $48, 13.792, 338.165$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 13.639, 155.406$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 13.865, 338.333$, and $28, 13.200, 338.845$ is the 20% darker color. If you saturate the color by 10%, you get $44, 21.131, 338.975$, and if you desaturate by 10%, it is $52, 6.470, 337.402$.

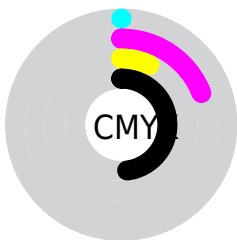
Distribution



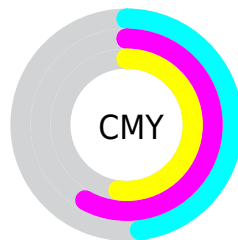
- Red (52%)
- Green (42%)
- Blue (48%)



- Red (52%)
- Yellow (42%)
- Blue (48%)



- Cyan (0%)
- Magenta (19%)
- Yellow (7%)
- Black (48%)





- Cyan (48%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.792, 338.165 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, 13.792, 338.165 by changing the saturation by 10% instead.


 48, 13.792,
338.165


 48, 13.792,
338.165


 100, 13.792,
338.165


 38, 13.792,
338.165

 68, 13.792,
338.165


 28, 13.792,
338.165

 78, 13.792,
338.165

 18, 13.792,
338.165


 88, 13.792,
338.165

 8, 13.792, 338.165

 98, 13.792,
338.165

 0, 13.792, 338.165

 48, 13.792,

 48, 13.792,

338.165

44, 21.131,
338.975

41, 28.346,
339.853

38, 35.230,
340.820

35, 41.504,
341.907

33, 46.840,
343.160

31, 50.901,
344.641

29, 53.435,
346.436

28, 54.758,
348.525

338.165

52, 6.470, 337.402

55, 0.738, 157.107

59, 7.776, 156.137

63, 14.617,
155.515

67, 21.249,
154.941

71, 27.671,
154.404

75, 33.890,
153.900

79, 39.916,
153.428

83, 45.762,

■ 28, 54.898,
348.742

152.983

Harmonies

Complementary

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



48, 13.792, 338.165



53, 13.639, 155.406

Rectangle

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



48, 13.792, 338.165



48, 13.792, 28.165



48, 13.792, 158.165



48, 13.792, 208.165

Sweetspot

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



48, 13.790, 338.166



67, 5.343, 337.183



47, 15.265, 304.718



35, 3.573, 337.225



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, 13.790, 338.166



59, 20.722, 338.528



48, 10.683, 8.876



26, 4.093, 337.415



28, 54.379, 348.705



0, 0.972, 336.815

Inverse Universe

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



48, 13.790, 338.166



59, 20.722, 338.528



53, 9.816, 185.617



26, 4.093, 337.415



28, 54.379, 348.705



0, 0.972, 336.815

Previews

White Background



This preview shows how the CIELCh color 48, 13.792, 338.165 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, 13.792, 338.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

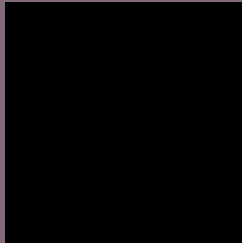
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.792, 338.165

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.792, 338.165.



This preview shows how white text looks on a background with the CIELCh color 48, 13.792, 338.165.

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, 13.792, 338.165

Protanopia
48, 8.264, 288.615

Deuteranopia
48, 7.871, 324.891



Tritanopia
48, 10.562, 354.362

Trichromacy



Original Color
48, 13.792, 338.165

Protanomaly
48, 8.887, 311.970

Deuteranomaly
48, 10.294, 332.607

Tritanomaly
48, 11.090, 348.855

Monochromacy



Original Color
48, 13.792, 338.165

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.704, 341.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.792, 338.165 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(132, 107, 123)` looks like.

```
.text, #text, p{  
    color:rgb(132, 107, 123)  
}
```

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(132, 107, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 107, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.792, 338.165 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(132, 107, 123) }
```

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

```
.border{ border-color:rgb(132, 107, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 107, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 107, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 107, 123);  
box-shadow:4px 4px 4px 4px rgb(132, 107,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.792, 338.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 107, 123) }
```

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

```
.background{ background-color: rgb(132,  
107, 123) }
```

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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