

Converting Colors

CIELCh(48, 17.574, 293.800)

Have a look what the booklet for
CIELCh(48, 17.574, 293.800)
contains.

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Color

CIELCh(48, 17.736, 293.692)

Conversions

Conversions Part 1

Format	Color
Hex	706F8D
RGB	112, 111, 141
RGB Percent	44%, 44%, 55%
CMY	0.5601, 0.5640, 0.4463
CMYK	0.21, 0.21, 0.00, 0.45
HSL	242°, 12%, 49%
HSV	242°, 21%, 55%
XYZ	17.2320, 16.7945, 27.6075
YIQ	114.7190, -9.0340, 9.5420

Conversions

Conversions Part 2

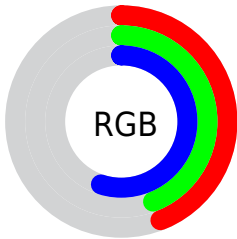
Format	Color
R_{YB}	112, 111, 141
Decimal	7368589
CIE Lab	48.00, 7.13, -16.24
CIE LCh	48, 17.736, 293.692
Yxy	16.7945, 0.2796, 0.2725
Android (android.graphics.Color)	4285558669 (0xFF706F8D)
YUV	114.7190, 12.9565, -2.3846
Hunter-Lab	40.9810, 3.3402, -11.2549

Details

The CIELCh color $48, 17.736, 293.692$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 16.908, 109.608$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 17.663, 293.095$, and $28, 18.189, 294.811$ is the 20% darker color. If you saturate the color by 10%, you get $43, 26.615, 295.004$, and if you desaturate by 10%, it is $53, 9.208, 292.567$.

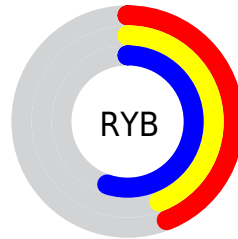
Distribution



Red (44%)

Green (44%)

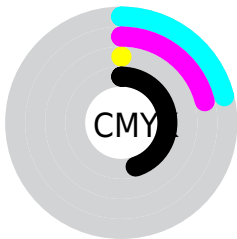
Blue (55%)



Red (44%)

Yellow (44%)

Blue (55%)

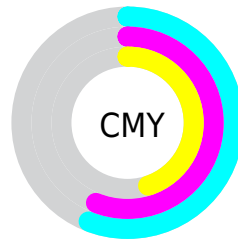


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (45%)



Cyan (56%)


Magenta (56%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.736, 293.692 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, 17.736, 293.692 by changing the saturation by 10% instead.


 48, 17.736,
293.692


 48, 17.736,
293.692

 100, 17.736,
293.692


 38, 17.736,
293.692

 68, 17.736,
293.692


 28, 17.736,
293.692

 78, 17.736,
293.692

 18, 17.736,
293.692


 88, 17.736,
293.692

 8, 17.736, 293.692

 98, 17.736,
293.692

 0, 17.736, 293.692

 48, 17.736,

 48, 17.736,

293.692

43, 26.615,
295.004

38, 35.862,
296.525

33, 45.456,
298.255

28, 55.288,
300.161

24, 65.053,
302.138

20, 74.076,
303.988

17, 81.218,
305.422

15, 85.992,
306.423

293.692

53, 9.208, 292.567

58, 1.012, 291.641

63, 6.877, 110.774

68, 14.480,
110.074

73, 21.818,
109.471

78, 28.908,
108.951

83, 35.767,
108.501

87, 42.410,
108.110

92, 48.851,

Harmonies

Complementary

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



48, 17.736, 293.692



58, 16.908, 109.608

Rectangle

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



48, 17.736, 293.692



48, 17.736, 343.692



48, 17.736, 113.692



48, 17.736, 163.692

Sweetspot

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



48, 17.735, 293.691



71, 6.027, 292.059



56, 10.695, 201.490



37, 3.987, 292.111



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 17.735, 293.691



58, 27.172, 294.362



49, 18.719, 311.156



27, 4.645, 292.357



14, 83.293, 306.430



0, 3.087, 291.491

Inverse Universe

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



51, 20.539, 326.480



63, 31.130, 326.766



57, 18.239, 129.305



28, 5.483, 325.815



31, 70.290, 329.568



1, 3.683, 325.340

Previews

White Background



This preview shows how the CIELCh color 48, 17.736, 293.692 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, 17.736, 293.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

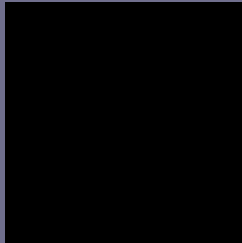
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 17.736, 293.692

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.736, 293.692.



This preview shows how white text looks on a background with the CIELCh color 48, 17.736, 293.692.

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, 17.736, 293.692

Protanopia

48, 17.178, 285.217

Deuteranopia

48, 17.110, 291.212



Tritanopia
48, 5.615, 270.659

Trichromacy



Original Color
48, 17.736, 293.692

Protanomaly
48, 17.713, 289.008

Deuteranomaly
48, 17.110, 291.212

Tritanomaly
48, 10.072, 285.034

Monochromacy



Original Color
48, 17.736, 293.692

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.482, 291.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.736, 293.692 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(112, 111, 141)` looks like.

```
.text, #text, p{  
    color:rgb(112, 111, 141)  
}
```

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(112, 111, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 111, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.736, 293.692 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(112, 111, 141) }
```

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

```
.border{ border-color:rgb(112, 111, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 111, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 111, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 111, 141);  
box-shadow:4px 4px 4px 4px rgb(112, 111,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.736, 293.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 111, 141) }
```

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

```
.background{ background-color: rgb(112,  
111, 141) }
```

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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