

Converting Colors

CIELCh(49, 17.750, 297.203)

Have a look what the booklet for
CIELCh(49, 17.750, 297.203)
contains.

CIELCh(49, 17.750, 297.203)	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(49, 17.750, 297.203)

Conversions

Conversions Part 1

Format	Color
Hex	75718F
RGB	117, 113, 143
RGB Percent	46%, 44%, 56%
CMY	0.5409, 0.5566, 0.4390
CMYK	0.18, 0.21, 0.00, 0.44
HSL	248°, 12%, 50%
HSV	248°, 21%, 56%
XYZ	18.2181, 17.5941, 28.4466
YIQ	117.6160, -7.2460, 10.1780

Conversions

Conversions Part 2

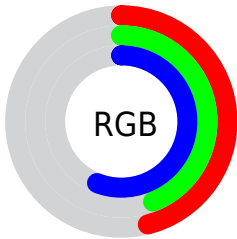
Format	Color
R_{YB}	117, 113, 143
Decimal	7696783
CIE Lab	49.00, 8.11, -15.79
CIE LCh	49, 17.750, 297.203
Yxy	17.5941, 0.2835, 0.2738
Android (android.graphics.Color)	4285886863 (0xFF75718F)
YUV	117.6160, 12.5143, -0.5402
Hunter-Lab	41.9453, 4.1236, -10.8478

Details

The CIELCh color $49, 17.750, 297.203$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 16.956, 113.845$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 17.689, 296.484$, and $29, 18.137, 297.131$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.728, 298.267$, and if you desaturate by 10%, it is $54, 9.110, 296.278$.

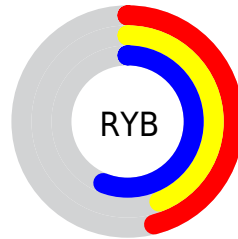
Distribution



Red (46%)

Green (44%)

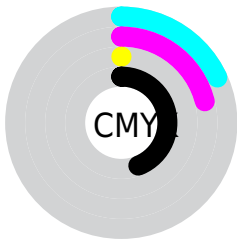
Blue (56%)



Red (46%)

Yellow (44%)

Blue (56%)

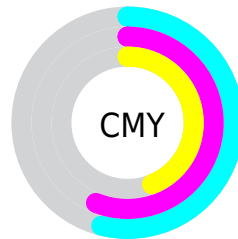


Cyan (18%)

Magenta (21%)

Yellow (0%)

Black (44%)



Cyan (54%)

Magenta (56%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 17.750, 297.203 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 49, 17.750, 297.203 by changing the saturation by 10% instead.


 49, 17.750,
297.203


 49, 17.750,
297.203


 100, 17.750,
297.203


 39, 17.750,
297.203

 69, 17.750,
297.203


 29, 17.750,
297.203

 79, 17.750,
297.203

 19, 17.750,
297.203

 89, 17.750,
297.203

 9, 17.750, 297.203

 99, 17.750,
297.203

 0, 17.750, 297.203

 49, 17.750,

 49, 17.750,

297.203

44, 26.728,
298.267

39, 36.047,
299.482

34, 45.667,
300.843

29, 55.462,
302.314

25, 65.125,
303.812

21, 74.038,
305.179

18, 81.194,
306.186

16, 86.177,
306.893

297.203

54, 9.110, 296.278

59, 0.798, 295.494

64, 7.207, 114.793

69, 14.926,
114.204

74, 22.376,
113.696

78, 29.577,
113.258

83, 36.543,
112.880

88, 43.292,
112.553

93, 49.835,

Harmonies

Complementary

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



49, 17.750, 297.203



58, 16.956, 113.845

Rectangle

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



49, 17.750, 297.203



49, 17.750, 347.203



49, 17.750, 117.203



49, 17.750, 167.203

Sweetspot

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



49, 17.749, 297.202



72, 6.123, 295.878



56, 9.899, 210.255



38, 4.097, 295.924



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 17.749, 297.202



60, 26.462, 297.669



50, 18.983, 313.906



28, 4.666, 296.127



15, 82.650, 306.922



0, 3.102, 295.408

Inverse Universe

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



51, 19.127, 329.509



64, 28.275, 329.782



57, 18.599, 132.142



28, 5.116, 328.804



31, 65.125, 334.187



1, 3.435, 328.304

Previews

White Background



This preview shows how the CIELCh color 49, 17.750, 297.203 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 49, 17.750, 297.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

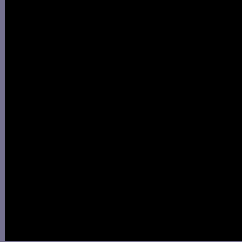
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.750, 297.203

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.750, 297.203.



This preview shows how white text looks on a background with the CIELCh color 49, 17.750, 297.203.

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


49, 17.750, 297.203

Protanopia

49, 17.705, 285.507

Deuteranopia

49, 17.059, 292.394



Tritanopia
49, 5.333, 282.478

Trichromacy



Original Color
49, 17.750, 297.203

Protanomaly
49, 17.647, 290.127

Deuteranomaly
49, 17.068, 293.616

Tritanomaly
49, 9.997, 291.492

Monochromacy



Original Color
49, 17.750, 297.203

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 6.520, 297.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.750, 297.203 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(117, 113, 143)` looks like.

```
.text, #text, p{  
    color:rgb(117, 113, 143)  
}
```

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(117, 113, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 113, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.750, 297.203 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(117, 113, 143) }
```

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

```
.border{ border-color:rgb(117, 113, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 113, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 113, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 113, 143);  
box-shadow:4px 4px 4px 4px rgb(117, 113,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.750, 297.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 113, 143) }
```

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

```
.background{ background-color: rgb(117,  
113, 143) }
```

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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