

Converting Colors

CIELCh(45, 27.610, 308.868)

Have a look what the booklet for
CIELCh(45, 27.610, 308.868)
contains.

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Color

CIELCh(45, 27.389, 309.023)

Conversions

Conversions Part 1

Format	Color
Hex	76628E
RGB	118, 98, 142
RGB Percent	46%, 38%, 56%
CMY	0.5372, 0.6157, 0.4431
CMYK	0.17, 0.31, 0.00, 0.44
HSL	267°, 18%, 47%
HSV	267°, 31%, 56%
XYZ	16.7233, 14.5417, 27.5191
YIQ	108.9960, -2.2040, 17.9240

Conversions

Conversions Part 2

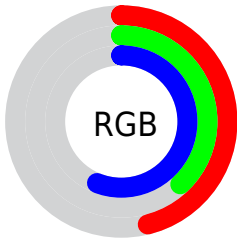
Format	Color
R _{YB}	118, 98, 142
Decimal	7758478
CIE Lab	45.00, 17.24, -21.28
CIE LCh	45, 27.389, 309.023
Yxy	14.5417, 0.2845, 0.2474
Android (android.graphics.Color)	4285948558 (0xFF76628E)
YUV	108.9960, 16.2710, 7.8965
Hunter-Lab	38.1336, 11.5464, -16.0931

Details

The CIELCh color $45, 27.389, 309.023$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 26.143, 126.022$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 27.399, 309.125$, and $25, 27.878, 309.196$ is the 20% darker color. If you saturate the color by 10%, you get $41, 36.635, 309.602$, and if you desaturate by 10%, it is $50, 18.303, 308.472$.

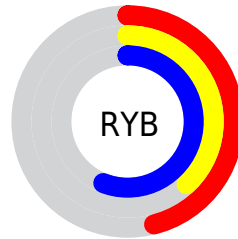
Distribution



Red (46%)

Green (38%)

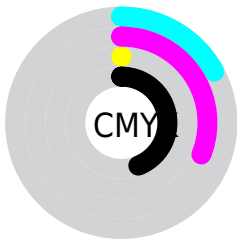
Blue (56%)



Red (46%)

Yellow (38%)

Blue (56%)

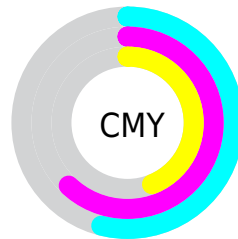


Cyan (17%)

Magenta (31%)

Yellow (0%)

Black (44%)



Cyan (54%)


Magenta (62%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.389, 309.023 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 45, 27.389, 309.023 by changing the saturation by 10% instead.


 45, 27.389,
309.023


 45, 27.389,
309.023


 100, 27.389,
309.023


 35, 27.389,
309.023

 65, 27.389,
309.023


 25, 27.389,
309.023

 75, 27.389,
309.023

 15, 27.389,
309.023

 85, 27.389,
309.023

 5, 27.389, 309.023

 95, 27.389,
309.023

 0, 27.389, 309.023

 45, 27.389,

 45, 27.389,

309.023

41, 36.635,
309.602

36, 45.926,
310.185

32, 55.048,
310.731

28, 63.652,
311.175

25, 71.223,
311.424

22, 77.119,
311.361

20, 81.297,
311.149

309.023

50, 18.303,
308.472

54, 9.445, 307.960

59, 0.839, 307.412

63, 7.504, 127.106

68, 15.587,
126.734

72, 23.417,
126.410

77, 31.006,
126.128

81, 38.366,
125.883

85, 45.510,

125.670

Harmonies

Complementary

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



45, 27.389, 309.023



56, 26.143, 126.022

Rectangle

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



45, 27.389, 309.023



45, 27.389, 359.023



45, 27.389, 129.023



45, 27.389, 179.023

Sweetspot

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



45, 27.388, 309.023



70, 9.520, 307.872



50, 14.124, 254.337



36, 6.604, 307.936



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 27.388, 309.023



54, 40.654, 309.414



47, 30.319, 324.628



28, 4.865, 307.872



19, 78.385, 311.201



0, 3.245, 307.462

Inverse Universe

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



47, 22.594, 343.928



57, 33.255, 344.640



55, 30.238, 141.150



28, 4.075, 341.945



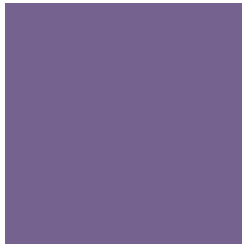
29, 53.622, 356.705



1, 2.725, 341.277

Previews

White Background



This preview shows how the CIELCh color 45, 27.389, 309.023 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 45, 27.389, 309.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

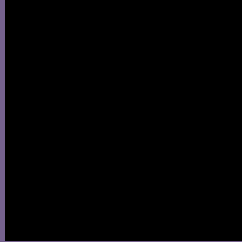
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.389, 309.023

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.389, 309.023.



This preview shows how white text looks on a background with the CIELCh color 45, 27.389, 309.023.

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

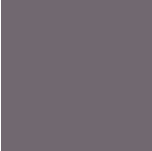
45, 27.389, 309.023

Protanopia

45, 25.197, 285.154

Deuteranopia

45, 21.548, 286.605



Tritanopia
45, 6.045, 328.018

Trichromacy



Original Color
45, 27.389, 309.023

Protanomaly
45, 25.726, 294.456

Deuteranomaly
45, 23.382, 295.979

Tritanomaly
45, 13.603, 313.802

Monochromacy



Original Color
45, 27.389, 309.023

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 9.972, 307.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.389, 309.023 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(118, 98, 142)` looks like.

```
.text, #text, p{  
    color:rgb(118, 98, 142)  
}
```

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(118, 98, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 98, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.389, 309.023 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(118, 98, 142) }
```

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

```
.border{ border-color:rgb(118, 98, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 98, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 98, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 98, 142);  
box-shadow:4px 4px 4px 4px rgb(118, 98,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.389, 309.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 98, 142) }
```

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

```
.background{ background-color: rgb(118, 98,  
142) }
```

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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