

Converting Colors

CIELCh(43, 45.552, 309.594)

Have a look what the booklet for
CIELCh(43, 45.552, 309.594)
contains.

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Color

CIELCh(43, 45.768, 309.670)

Conversions

Conversions Part 1

Format	Color
Hex	7756A0
RGB	119, 86, 160
RGB Percent	47%, 34%, 63%
CMY	0.5327, 0.6621, 0.3719
CMYK	0.26, 0.46, 0.00, 0.37
HSL	267°, 30%, 48%
HSV	267°, 46%, 63%
XYZ	17.3305, 13.1578, 34.9613
YIQ	104.3030, -4.0860, 30.0100

Conversions

Conversions Part 2

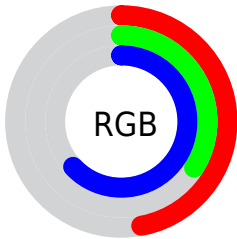
Format	Color
R_{YB}	119, 86, 160
Decimal	7820960
CIE _{Lab}	43.00, 29.22, -35.23
CIE _{LCh}	43, 45.768, 309.670
Yxy	13.1578, 0.2648, 0.2010
Android (android.graphics.Color)	4286011040 (0xFF7756A0)
YUV	104.3030, 27.4586, 12.8893
Hunter-Lab	36.2736, 21.8035, -31.7535

Details

The CIELCh color $43, 45.768, 309.670$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 42.445, 124.985$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 45.988, 309.870$, and $23, 46.044, 309.819$ is the 20% darker color. If you saturate the color by 10%, you get $38, 55.962, 310.259$, and if you desaturate by 10%, it is $48, 35.512, 309.067$.

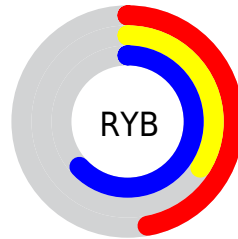
Distribution



Red (47%)

Green (34%)

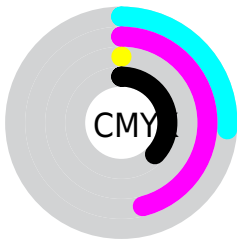
Blue (63%)



Red (47%)

Yellow (34%)

Blue (63%)

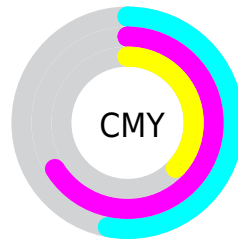


Cyan (26%)

Magenta (46%)

Yellow (0%)

Black (37%)



Cyan (53%)


Magenta (66%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 45.768, 309.670 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 43, 45.768, 309.670 by changing the saturation by 10% instead.


 43, 45.768,
309.670


 43, 45.768,
309.670


 100, 45.768,
309.670


 33, 45.768,
309.670

 63, 45.768,
309.670


 23, 45.768,
309.670

 73, 45.768,
309.670

 13, 45.768,
309.670

 83, 45.768,
309.670

 3, 45.768, 309.670

 93, 45.768,
309.670

 0, 45.768, 309.670

 43, 45.768,

 43, 45.768,

309.670

■ 38, 55.962,
310.259

■ 34, 65.778,
310.777

■ 30, 74.712,
311.140

■ 27, 82.079,
311.234

■ 24, 87.261,
310.960

■ 23, 89.045,
310.861

309.670

■ 48, 35.512,
309.067

■ 53, 25.382,
308.483

■ 58, 15.476,
307.937

■ 63, 5.843, 307.431

■ 68, 3.498, 127.022

■ 73, 12.546,
126.608

■ 78, 21.306,
126.255

■ 83, 29.791,
125.948

■ 88, 38.014,
125.681

Harmonies

Complementary

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



43, 45.768, 309.670



62, 42.445, 124.985

Rectangle

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



43, 45.768, 309.670



43, 45.768, 359.670



43, 45.768, 129.670



43, 45.768, 179.670

Sweetspot

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



43, 45.767, 309.670



75, 16.560, 307.836



52, 22.362, 255.666



38, 11.443, 307.942



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



43, 45.767, 309.670



50, 68.031, 310.250



47, 49.053, 324.835



31, 5.287, 307.581



20, 81.776, 310.970



1, 6.799, 306.334

Inverse Universe

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



47, 37.103, 345.192



56, 53.928, 346.495



60, 48.930, 139.438



31, 4.461, 341.526



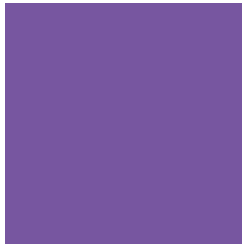
30, 55.926, 356.155



1, 5.666, 342.303

Previews

White Background



This preview shows how the CIELCh color 43, 45.768, 309.670 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 43, 45.768, 309.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

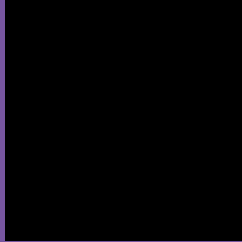
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 45.768, 309.670

Background



This preview shows how black text looks on a background with the CIELCh color 43, 45.768, 309.670.



This preview shows how white text looks on a background with the CIELCh color 43, 45.768, 309.670.

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

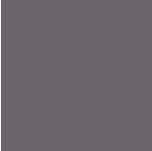
43, 45.768, 309.670

Protanopia

43, 44.042, 286.293

Deuteranopia

43, 33.602, 280.450



Tritanopia
43, 5.916, 334.839

Trichromacy



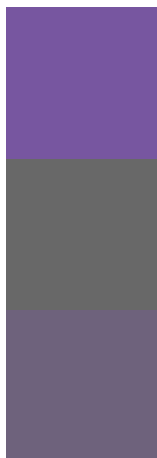
Original Color
43, 45.768, 309.670

Protanomaly
43, 44.479, 294.342

Deuteranomaly
43, 37.302, 292.471

Tritanomaly
43, 20.707, 313.340

Monochromacy



Original Color
43, 45.768, 309.670

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 16.380, 308.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 45.768, 309.670 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(119, 86, 160)` looks like.

```
.text, #text, p{  
    color:rgb(119, 86, 160)  
}
```

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(119, 86, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 86, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 45.768, 309.670 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(119, 86, 160) }
```

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

```
.border{ border-color:rgb(119, 86, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 86, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 86, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 86, 160);  
box-shadow:4px 4px 4px 4px rgb(119, 86,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 45.768, 309.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 86, 160) }
```

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

```
.background{ background-color: rgb(119, 86,  
160) }
```

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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