

# Converting Colors

CIELCh(45, 39.361, 308.387)

Have a look what the booklet for  
CIELCh(45, 39.361, 308.387)  
contains.

<b>CIELCh(45, 39.368, 308.548)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(45, 39.368, 308.548)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	795E9E
RGB	121, 94, 158
RGB Percent	47%, 37%, 62%
CMY	0.5254, 0.6313, 0.3803
CMYK	0.23, 0.41, 0.00, 0.38
HSL	265°, 25%, 49%
HSV	265°, 41%, 62%
XYZ	18.0625, 14.5417, 34.2073
YIQ	109.3690, -4.4520, 25.6280

# Conversions

## Conversions Part 2

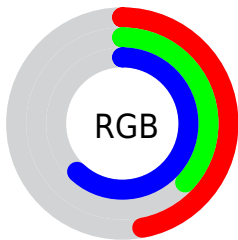
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	121, 94, 158
Decimal	7954078
CIE Lab	45.00, 24.53, -30.79
CIE LCh	45, 39.368, 308.548
Yxy	14.5417, 0.2704, 0.2177
Android (android.graphics.Color)	4286144158 (0xFF795E9E)
YUV	109.3690, 23.9751, 10.2004
Hunter-Lab	38.1336, 17.8153, -26.4919

# Details

The CIELCh color `45, 39.368, 308.548` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 36.780, 124.333`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 39.292, 308.691`, and `25, 39.372, 308.430` is the 20% darker color. If you saturate the color by 10%, you get `40, 49.535, 309.189`, and if you desaturate by 10%, it is `50, 29.283, 307.922`.

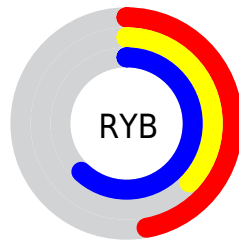
# Distribution



Red (47%)

Green (37%)

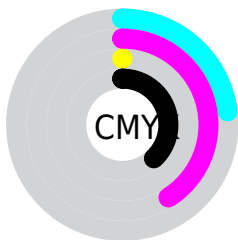
Blue (62%)



Red (47%)

Yellow (37%)

Blue (62%)

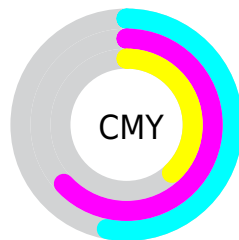


Cyan (23%)

Magenta (41%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (63%)


Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.368, 308.548 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, 39.368, 308.548 by changing the saturation by 10% instead.





 45, 39.368,  
308.548


 45, 39.368,  
308.548


 100, 39.368,  
308.548


 35, 39.368,  
308.548

 65, 39.368,  
308.548


 25, 39.368,  
308.548

 75, 39.368,  
308.548

 15, 39.368,  
308.548

 85, 39.368,  
308.548

 5, 39.368, 308.548

 95, 39.368,  
308.548

 0, 39.368, 308.548

 45, 39.368,

 45, 39.368,

308.548

40, 49.535,  
309.189

36, 59.563,  
309.803

31, 69.070,  
310.321

28, 77.470,  
310.643

25, 84.017,  
310.640

22, 88.593,  
310.399

308.548

50, 29.283,  
307.922

55, 19.404,  
307.334

60, 9.792, 306.793

65, 0.469, 306.153

70, 8.558, 125.897

75, 17.296,  
125.514

80, 25.755,  
125.181

85, 33.948,  
124.893

90, 41.890,



# Harmonies

# Complementary

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



45, 39.368, 308.548



62, 36.780, 124.333

# Rectangle

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



45, 39.368, 308.548



45, 39.368, 358.548



45, 39.368, 128.548



45, 39.368, 178.548

# Sweetspot

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



45, 39.367, 308.548



75, 13.951, 306.883



53, 19.296, 252.171



39, 9.345, 306.947



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



45, 39.367, 308.548



53, 59.755, 309.154



49, 42.661, 324.093



31, 5.264, 306.728



20, 82.185, 310.494



1, 6.770, 305.504



# Inverse Universe

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



48, 32.810, 343.209



58, 48.829, 344.295



60, 42.454, 139.552



31, 4.537, 340.326



30, 56.429, 354.053



1, 5.758, 341.133



# Previews

## White Background



This preview shows how the CIELCh color 45, 39.368, 308.548 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, 39.368, 308.548 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, 39.368, 308.548

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.368, 308.548.



This preview shows how white text looks on a background with the CIELCh color 45, 39.368, 308.548.

# 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, 39.368, 308.548

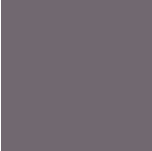
### Protanopia

45, 37.170, 285.044

### Deuteranopia

45, 30.170, 282.158





**Tritanopia**  
45, 6.045, 328.018

# Trichromacy



**Original Color**  
45, 39.368, 308.548

**Protanomaly**  
45, 37.567, 293.280

**Deuteranomaly**  
45, 32.810, 292.883

**Tritanomaly**  
45, 18.477, 311.820

# Monochromacy



**Original Color**  
45, 39.368, 308.548

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
46, 14.207, 306.114

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 39.368, 308.548 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(121, 94, 158)` looks like.

```
.text, #text, p{  
    color:rgb(121, 94, 158)  
}
```

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(121, 94, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 94, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 39.368, 308.548 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(121, 94, 158) }
```

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

```
.border{ border-color:rgb(121, 94, 158) }
```

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

Here you see how a box with a 4 pixel rgb(121, 94, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 94, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 94, 158);  
box-shadow:4px 4px 4px 4px rgb(121, 94,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 39.368, 308.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 94, 158) }
```

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

```
.background{ background-color: rgb(121, 94,  
158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor