

# Converting Colors

CIELCh(45, 28.312, 338.347)

Have a look what the booklet for  
CIELCh(45, 28.312, 338.347)  
contains.

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**Color**

**CIELCh(45, 28.345, 338.367)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D5A7C
RGB	141, 90, 124
RGB Percent	55%, 35%, 49%
CMY	0.4454, 0.6455, 0.5122
CMYK	0.00, 0.36, 0.12, 0.45
HSL	320°, 22%, 45%
HSV	320°, 36%, 55%
XYZ	18.4069, 14.5417, 21.0374
YIQ	109.1250, 19.4820, 21.3860

# Conversions

## Conversions Part 2

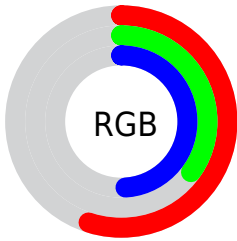
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 90, 124
Decimal	9263740
CIE <sub>Lab</sub>	45.00, 26.35, -10.45
CIE <sub>LCh</sub>	45, 28.345, 338.367
Yxy	14.5417, 0.3410, 0.2694
Android (android.graphics.Color)	4287453820 (0xFF8D5A7C)
YUV	109.1250, 7.3334, 27.9544
Hunter-Lab	38.1336, 19.4275, -6.0154

# Details

The CIELCh color  $45, 28.345, 338.367$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $54, 27.927, 152.661$ , and the grayscale version is  $46, 0.006, 296.813$ .

A 20% lighter version of the original color is  $65, 28.323, 337.721$ , and  $25, 28.127, 338.917$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 35.863, 339.265$ , and if you desaturate by 10%, it is  $49, 20.520, 337.543$ .

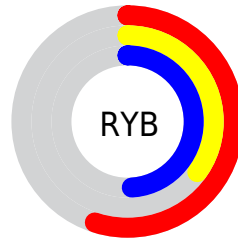
# Distribution



Red (55%)

Green (35%)

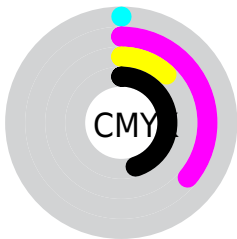
Blue (49%)



Red (55%)

Yellow (35%)

Blue (49%)

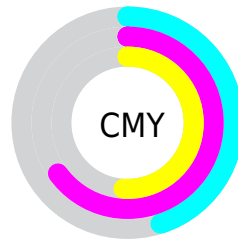


Cyan (0%)

Magenta (36%)

Yellow (12%)

Black (45%)



Cyan (45%)

Magenta (65%)


Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 28.345, 338.367 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, 28.345, 338.367 by changing the saturation by 10% instead.




 45, 28.345,  
338.367


 45, 28.345,  
338.367


 100, 28.345,  
338.367

 35, 28.345,  
338.367

 65, 28.345,  
338.367


 25, 28.345,  
338.367

 75, 28.345,  
338.367

 15, 28.345,  
338.367

 85, 28.345,  
338.367

 5, 28.345, 338.367

 95, 28.345,  
338.367

 0, 28.345, 338.367

 45, 28.345,

 45, 28.345,

338.367

42, 35.863,  
339.265

39, 42.798,  
340.258

36, 48.805,  
341.383

34, 53.515,  
342.689

32, 56.624,  
344.247

31, 58.099,  
346.120

31, 58.559,  
346.879

338.367

49, 20.520,  
337.543

52, 12.602,  
336.773

56, 4.731, 336.027


60, 3.003, 155.508

64, 10.548,  
154.819

69, 17.878,  
154.221

73, 24.981,  
153.664

77, 31.862,  
153.142

 81, 38.526,  
152.652

# Harmonies

# Complementary

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



45, 28.345, 338.367



54, 27.927, 152.661

# Rectangle

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



45, 28.345, 338.367



45, 28.345, 28.367



45, 28.345, 158.367



45, 28.345, 208.367

# Sweetspot

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



45, 28.343, 338.368



69, 10.630, 336.413



42, 31.557, 305.346



35, 7.123, 336.499



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, 28.343, 338.368



55, 41.525, 339.063



44, 22.522, 9.883



28, 4.437, 336.262



29, 56.709, 346.775



1, 2.974, 335.669



# Inverse Universe

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



45, 28.343, 338.368



55, 41.525, 339.063



55, 19.125, 182.671



28, 4.437, 336.262



29, 56.709, 346.775

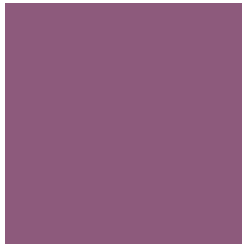


1, 2.974, 335.669



# Previews

## White Background



This preview shows how the CIELCh color 45, 28.345, 338.367 looks on a white background.

## Color Contrast Check

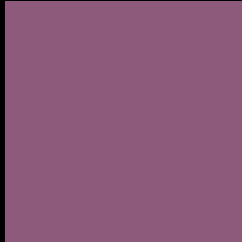
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 28.345, 338.367 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, 28.345, 338.367

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.345, 338.367.



This preview shows how white text looks on a background with the CIELCh color 45, 28.345, 338.367.

# 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, 28.345, 338.367

### Protanopia

45, 17.368, 285.395

### Deuteranopia

45, 11.045, 303.861





**Tritanopia**  
45, 19.275, 9.792

# Trichromacy



**Original Color**  
45, 28.345, 338.367

**Protanomaly**  
45, 19.484, 309.601

**Deuteranomaly**  
45, 16.809, 323.095

**Tritanomaly**  
45, 21.898, 355.372

# Monochromacy



**Original Color**  
45, 28.345, 338.367

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
46, 10.250, 336.660

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 28.345, 338.367 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(141, 90, 124)` looks like.

```
.text, #text, p{  
    color:rgb(141, 90, 124)  
}
```

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(141, 90, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 90, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 28.345, 338.367 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(141, 90, 124) }
```

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

```
.border{ border-color:rgb(141, 90, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 90, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 90, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 90, 124);  
box-shadow:4px 4px 4px 4px rgb(141, 90,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 28.345, 338.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 90, 124) }
```

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

```
.background{ background-color: rgb(141, 90,  
124) }
```

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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