

# Converting Colors

CIELCh(45, 15.170, 340.279)

Have a look what the booklet for  
CIELCh(45, 15.170, 340.279)  
contains.

<b>CIELCh(45, 15.255, 339.961)</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, 15.255, 339.961)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E6273
RGB	126, 98, 115
RGB Percent	49%, 38%, 45%
CMY	0.5040, 0.6139, 0.5472
CMYK	0.00, 0.22, 0.09, 0.50
HSL	324°, 12%, 44%
HSV	324°, 22%, 50%
XYZ	16.2070, 14.5417, 18.3136
YIQ	108.3100, 11.2310, 11.2230

# Conversions

## Conversions Part 2

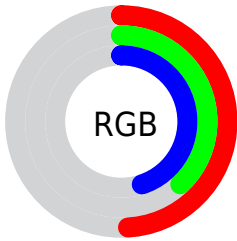
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 98, 115
Decimal	8282739
CIE <sub>Lab</sub>	45.00, 14.33, -5.23
CIE <sub>LCh</sub>	45, 15.255, 339.961
Yxy	14.5417, 0.3303, 0.2964
Android (android.graphics.Color)	4286472819 (0xFF7E6273)
YUV	108.3100, 3.2982, 15.5141
Hunter-Lab	38.1336, 9.1296, -1.7804

# Details

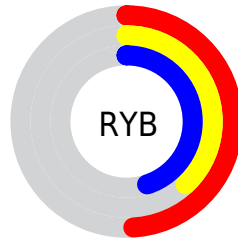
The CIELCh color  $45, 15.255, 339.961$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $50, 15.024, 156.581$ , and the grayscale version is  $46, 0.006, 296.813$ .

A 20% lighter version of the original color is  $65, 15.208, 339.898$ , and  $25, 15.558, 340.380$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 22.188, 340.830$ , and if you desaturate by 10%, it is  $49, 8.311, 339.158$ .

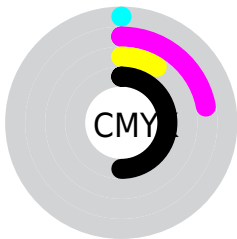
# Distribution



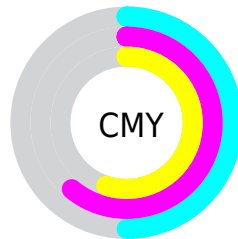
- Red (49%)
- Green (38%)
- Blue (45%)



- Red (49%)
- Yellow (38%)
- Blue (45%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (50%)




- Cyan (50%)
- Magenta (61%)
- Yellow (55%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.255, 339.961 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, 15.255, 339.961 by changing the saturation by 10% instead.





 45, 15.255,  
339.961


 45, 15.255,  
339.961


 100, 15.255,  
339.961


 35, 15.255,  
339.961

 65, 15.255,  
339.961


 25, 15.255,  
339.961

 75, 15.255,  
339.961

 15, 15.255,  
339.961


 85, 15.255,  
339.961

 5, 15.255, 339.961

 95, 15.255,  
339.961

 0, 15.255, 339.961

 45, 15.255,

 45, 15.255,

339.961

339.961

42, 22.188,  
340.830

49, 8.311, 339.158

38, 28.963,  
341.786

52, 1.462, 338.279

35, 35.362,  
342.858

56, 5.235, 157.831

33, 41.108,  
344.086

60, 11.746,  
157.170

30, 45.879,  
345.530

63, 18.057,  
156.571

29, 49.366,  
347.272

67, 24.167,  
156.014

28, 51.373,  
349.413

71, 30.081,  
155.492

27, 52.445,  
351.248

75, 35.809,  
155.004

79, 41.360,



# Harmonies

# Complementary

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



45, 15.255, 339.961



50, 15.024, 156.581

# Rectangle

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



45, 15.255, 339.961



45, 15.255, 29.961



45, 15.255, 159.961



45, 15.255, 209.961

# Sweetspot

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



45, 15.253, 339.962



64, 5.870, 338.764



44, 17.408, 306.072



33, 3.797, 338.798



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



45, 15.253, 339.962



55, 22.942, 340.427



45, 12.108, 11.817



25, 3.869, 338.918



27, 52.742, 351.273



0, 0.000, 0.000



# Inverse Universe

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



45, 15.253, 339.962



55, 22.942, 340.427



51, 10.861, 188.122



25, 3.869, 338.918



27, 52.742, 351.273



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 45, 15.255, 339.961 looks on a white background.

## Color Contrast Check

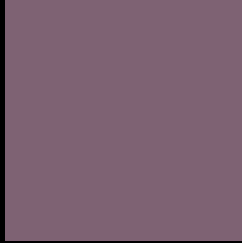
Large Text (above 18pt) WCAG AA ✓ Pass

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, 15.255, 339.961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

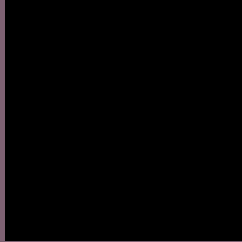
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 45, 15.255, 339.961

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.255, 339.961.



This preview shows how white text looks on a background with the CIELCh color 45, 15.255, 339.961.

# 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, 15.255, 339.961

### Protanopia

45, 8.357, 288.685

### Deuteranopia

45, 7.023, 322.095





**Tritanopia**  
45, 11.463, 356.500

# Trichromacy



**Original Color**  
45, 15.255, 339.961

**Protanomaly**  
45, 9.853, 315.163

**Deuteranomaly**  
45, 10.140, 330.874

**Tritanomaly**  
45, 13.241, 348.659

# Monochromacy



**Original Color**  
45, 15.255, 339.961

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
45, 5.456, 339.209

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 15.255, 339.961 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(126, 98, 115)` looks like.

```
.text, #text, p{  
    color:rgb(126, 98, 115)  
}
```

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(126, 98, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 98, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 15.255, 339.961 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(126, 98, 115) }
```

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

```
.border{ border-color:rgb(126, 98, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 98, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 98, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 98, 115);  
box-shadow:4px 4px 4px 4px rgb(126, 98,  
115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 15.255, 339.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 98, 115) }
```

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

```
.background{ background-color: rgb(126, 98,  
115) }
```

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