

# Converting Colors

CIELCh(44, 14.841, 342.880)

Have a look what the booklet for  
CIELCh(44, 14.841, 342.880)  
contains.

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# Color

**CIELCh(44, 14.938, 341.753)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C6070
RGB	124, 96, 112
RGB Percent	49%, 38%, 44%
CMY	0.5135, 0.6233, 0.5605
CMYK	0.00, 0.23, 0.10, 0.51
HSL	326°, 13%, 43%
HSV	326°, 23%, 49%
XYZ	15.4382, 13.8382, 17.2050
YIQ	106.1960, 11.5520, 10.9120

# Conversions

## Conversions Part 2

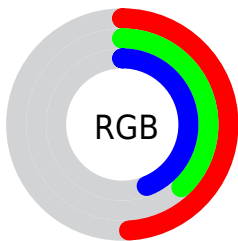
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 96, 112
Decimal	8151152
CIE <sub>Lab</sub>	44.00, 14.19, -4.68
CIE <sub>LCh</sub>	44, 14.938, 341.753
Yxy	13.8382, 0.3321, 0.2977
Android (android.graphics.Color)	4286341232 (0xFF7C6070)
YUV	106.1960, 2.8614, 15.6141
Hunter-Lab	37.1997, 8.9796, -1.3820

# Details

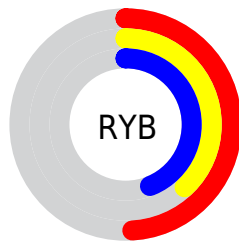
The CIELCh color **44, 14.938, 341.753** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 14.659, 158.188**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 14.900, 341.555**, and **24, 15.240, 342.379** is the 20% darker color. If you saturate the color by 10%, you get **41, 21.617, 342.673**, and if you desaturate by 10%, it is **48, 8.257, 340.911**.

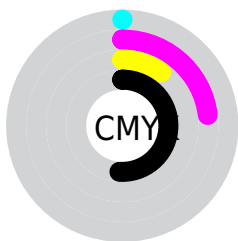
# Distribution



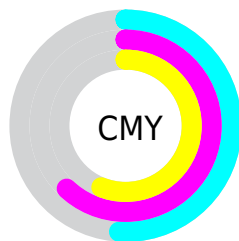
- Red (49%)
- Green (38%)
- Blue (44%)



- Red (49%)
- Yellow (38%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)
- Black (51%)



- Cyan (51%)
- Magenta (62%)
- Yellow (56%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 14.938, 341.753 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 44, 14.938, 341.753 by changing the saturation by 10% instead.





 44, 14.938,  
341.753


 44, 14.938,  
341.753


 100, 14.938,  
341.753

 34, 14.938,  
341.753

 64, 14.938,  
341.753


 24, 14.938,  
341.753

 74, 14.938,  
341.753


 14, 14.938,  
341.753


 84, 14.938,  
341.753

 4, 14.938, 341.753

 94, 14.938,  
341.753

 0, 14.938, 341.753

 44, 14.938,

 44, 14.938,

341.753

41, 21.617,  
342.673

37, 28.152,  
343.695

34, 34.332,  
344.855

32, 39.887,  
346.203

30, 44.504,  
347.809

28, 47.888,  
349.768

27, 49.858,  
352.196

26, 50.948,  
354.141

341.753

48, 8.257, 340.911

51, 1.673, 340.023

55, 4.756, 159.538

58, 11.002,  
158.855

62, 17.050,  
158.240

66, 22.901,  
157.670

70, 28.561,  
157.139

73, 34.038,  
156.641

77, 39.345,



# Harmonies

# Complementary

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



44, 14.938, 341.753



50, 14.659, 158.188

# Rectangle

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



44, 14.938, 341.753



44, 14.938, 31.753



44, 14.938, 161.753



44, 14.938, 211.753

# Sweetspot

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



44, 14.936, 341.755



63, 5.651, 340.468



43, 17.552, 307.244



33, 3.702, 340.504



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



44, 14.936, 341.755



54, 22.123, 342.209



44, 12.122, 14.464



24, 3.647, 340.624



26, 51.202, 354.168



55, 85.471, 356.147



# Inverse Universe

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



44, 14.936, 341.755



54, 22.123, 342.209



50, 10.750, 190.943



24, 3.647, 340.624



26, 51.202, 354.168

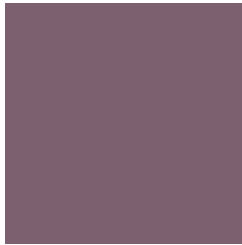


55, 85.471, 356.147



# Previews

## White Background



This preview shows how the CIELCh color 44, 14.938, 341.753 looks on a white background.

## Color Contrast Check

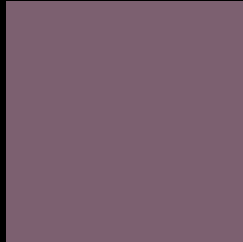
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 14.938, 341.753 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 44, 14.938, 341.753**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 14.938, 341.753.



This preview shows how white text looks on a background with the CIELCh color 44, 14.938, 341.753.

# 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

44, 14.938, 341.753

### Protanopia

44, 8.399, 288.718

### Deuteranopia

44, 7.277, 324.885





**Tritanopia**  
44, 11.911, 357.474

# Trichromacy



**Original Color**  
44, 14.938, 341.753

**Protanomaly**  
44, 9.901, 315.176

**Deuteranomaly**  
44, 10.027, 334.984

**Tritanomaly**  
44, 12.643, 349.918

# Monochromacy



**Original Color**  
44, 14.938, 341.753

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
44, 5.801, 341.974

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 14.938, 341.753 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(124, 96, 112)` looks like.

```
.text, #text, p{  
    color:rgb(124, 96, 112)  
}
```

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(124, 96, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 96, 112) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 14.938, 341.753 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(124, 96, 112) }
```

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

```
.border{ border-color:rgb(124, 96, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 96, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 96, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 96, 112); box-shadow:4px 4px 4px 4px rgb(124, 96, 112) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 14.938, 341.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 96, 112) }
```

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

```
.background{ background-color: rgb(124, 96,  
112) }
```

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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