

# Converting Colors

CIELCh(54, 12.768, 341.856)

Have a look what the booklet for  
CIELCh(54, 12.768, 341.856)  
contains.

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# Color

**CIELCh(54, 12.788, 341.876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	937A88
RGB	147, 122, 136
RGB Percent	58%, 48%, 53%
CMY	0.4227, 0.5208, 0.4659
CMYK	0.00, 0.17, 0.07, 0.42
HSL	326°, 10%, 53%
HSV	326°, 17%, 58%
XYZ	23.5131, 21.9746, 26.3713
YIQ	131.0710, 10.4060, 9.6540

# Conversions

## Conversions Part 2

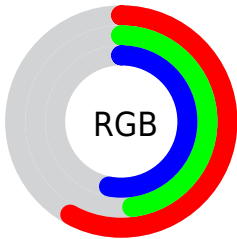
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 122, 136
Decimal	9665160
CIE <sub>Lab</sub>	54.00, 12.15, -3.98
CIE <sub>LCh</sub>	54, 12.788, 341.876
Yxy	21.9746, 0.3272, 0.3058
Android (android.graphics.Color)	4287855240 (0xFF937A88)
YUV	131.0710, 2.4300, 13.9697
Hunter-Lab	46.8770, 7.4992, -0.5405

# Details

The CIELCh color  $54, 12.788, 341.876$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $59, 12.589, 159.215$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 12.959, 341.822$ , and  $34, 12.792, 342.130$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 20.434, 342.782$ , and if you desaturate by 10%, it is  $58, 5.209, 341.029$ .

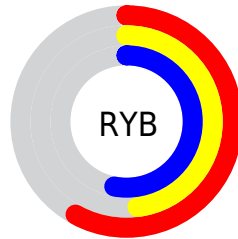
# Distribution



Red (58%)

Green (48%)

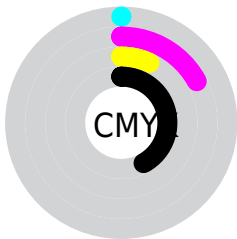
Blue (53%)



Red (58%)

Yellow (48%)

Blue (53%)

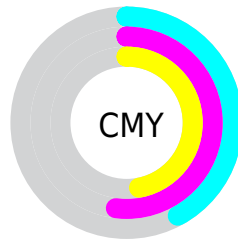


Cyan (0%)

Magenta (17%)

Yellow (7%)

Black (42%)



Cyan (42%)

Magenta (52%)


Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 12.788, 341.876 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 54, 12.788, 341.876 by changing the saturation by 10% instead.





 54, 12.788,  
341.876


 54, 12.788,  
341.876


 100, 12.788,  
341.876


 44, 12.788,  
341.876


 74, 12.788,  
341.876

 34, 12.788,  
341.876

 84, 12.788,  
341.876

 24, 12.788,  
341.876

 94, 12.788,  
341.876

 14, 12.788,  
341.876

 4, 12.788, 341.876

 0, 12.788, 341.876

54, 12.788,  
341.876

54, 12.788,  
341.876

50, 20.434,  
342.782

58, 5.209, 341.029

46, 28.014,  
343.782

62, 2.211, 160.480

43, 35.318,  
344.913

67, 9.427, 159.685

39, 42.061,  
346.219

71, 16.416,  
159.031

37, 47.893,  
347.766

75, 23.173,  
158.431

34, 52.443,  
349.647

79, 29.703,  
157.873


33, 55.422,  
351.981


84, 36.016,  
157.353

32, 56.884,

88, 42.126,  
156.866

354.846

 92, 48.046,  
156.410

 31, 57.275,  
355.736

# Harmonies

# Complementary

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



54, 12.788, 341.876



59, 12.589, 159.215

# Rectangle

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



54, 12.788, 341.876



54, 12.788, 31.876



54, 12.788, 161.876



54, 12.788, 211.876

# Sweetspot

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



54, 12.786, 341.878



75, 4.607, 340.862



53, 15.119, 307.531



39, 3.170, 340.920



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



54, 12.786, 341.878



67, 18.684, 342.179



54, 10.307, 15.226



29, 4.238, 341.218



29, 54.607, 355.505



1, 3.671, 340.555



# Inverse Universe

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



54, 12.786, 341.878



67, 18.684, 342.179



59, 9.387, 192.758



29, 4.238, 341.218



29, 54.607, 355.505



1, 3.671, 340.555



# Previews

## White Background



This preview shows how the CIELCh color 54, 12.788, 341.876 looks on a white 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

# Black Background



This preview shows how the CIE LCh color 54, 12.788, 341.876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

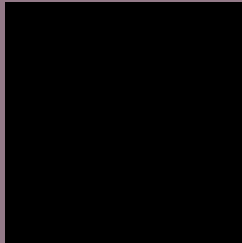
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 54, 12.788, 341.876**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 12.788, 341.876.



This preview shows how white text looks on a background with the CIELCh color 54, 12.788, 341.876.

# 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

54, 12.788, 341.876

### Protanopia

54, 6.927, 291.031

### Deuteranopia

54, 8.436, 331.618





**Tritanopia**  
54, 10.933, 352.471

# Trichromacy



**Original Color**  
54, 12.788, 341.876

**Protanomaly**  
54, 8.317, 315.850

**Deuteranomaly**  
54, 9.945, 336.514

**Tritanomaly**  
54, 11.483, 347.358

# Monochromacy



**Original Color**  
54, 12.788, 341.876

**Achromatopsia**  
55, 0.007, 296.813

**Achromatomaly**  
55, 4.603, 341.208

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 12.788, 341.876 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(147, 122, 136)` looks like.

```
.text, #text, p{  
    color:rgb(147, 122, 136)  
}
```

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(147, 122, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 122, 136) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 12.788, 341.876 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(147, 122, 136) }
```

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

```
.border{ border-color:rgb(147, 122, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 122, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 122, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 122, 136);  
box-shadow:4px 4px 4px 4px rgb(147, 122,  
136) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 12.788, 341.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 122, 136) }
```

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

```
.background{ background-color: rgb(147,  
122, 136) }
```

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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