

# Converting Colors

CIELCh(39, 14.071, 353.176)

Have a look what the booklet for  
CIELCh(39, 14.071, 353.176)  
contains.

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**Color**

**CIELCh(39, 14.046, 353.153)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	71545F
RGB	113, 84, 95
RGB Percent	44%, 33%, 37%
CMY	0.5572, 0.6709, 0.6278
CMYK	0.00, 0.26, 0.16, 0.56
HSL	337°, 15%, 39%
HSV	337°, 26%, 44%
XYZ	12.0261, 10.6589, 12.2315
YIQ	93.9250, 13.7530, 9.5690

# Conversions

## Conversions Part 2

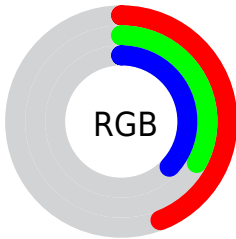
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 84, 95
Decimal	7427167
CIE <sub>Lab</sub>	39.00, 13.95, -1.67
CIE <sub>LCh</sub>	39, 14.046, 353.153
Yxy	10.6589, 0.3444, 0.3053
Android (android.graphics.Color)	4285617247 (0xFF71545F)
YUV	93.9250, 0.5300, 16.7288
Hunter-Lab	32.6480, 8.6177, 0.6407

# Details

The CIELCh color  $39, 14.046, 353.153$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 13.329, 168.387$ , and the grayscale version is  $40, 0.006, 296.813$ .

A 20% lighter version of the original color is  $59, 13.732, 354.072$ , and  $19, 13.600, 353.063$  is the 20% darker color. If you saturate the color by 10%, you get  $36, 19.685, 354.378$ , and if you desaturate by 10%, it is  $42, 8.464, 352.087$ .

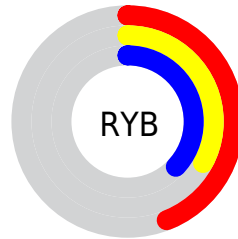
# Distribution



Red (44%)

Green (33%)

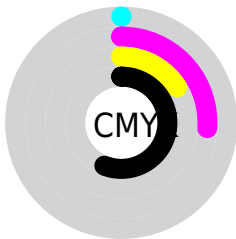
Blue (37%)



Red (44%)

Yellow (33%)

Blue (37%)

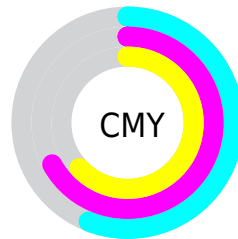


Cyan (0%)

Magenta (26%)

Yellow (16%)

Black (56%)



Cyan (56%)

Magenta (67%)


Yellow (63%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 14.046, 353.153 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 39, 14.046, 353.153 by changing the saturation by 10% instead.





 39, 14.046,  
353.153


 39, 14.046,  
353.153

 100, 14.046,  
353.153


 29, 14.046,  
353.153

 59, 14.046,  
353.153


 19, 14.046,  
353.153


 69, 14.046,  
353.153

 9, 14.046, 353.153

 79, 14.046,  
353.153

 0, 14.046, 353.153

 89, 14.046,  
353.153

 99, 14.046,  
353.153

39, 14.046,  
353.153

39, 14.046,  
353.153

36, 19.685,  
354.378

42, 8.464, 352.087

33, 25.265,  
355.809

46, 3.018, 351.093

49, 2.251, 170.492

30, 30.610,  
357.522

53, 7.325, 169.652

28, 35.495,  
359.616

56, 12.201,  
168.954

26, 39.672, 2.222

60, 16.883,  
168.324

24, 42.934, 5.490

63, 21.382,  
167.746

23, 45.357, 9.431

67, 25.710,  
167.213

23, 46.459, 11.093

70, 29.881,



# Harmonies

# Complementary

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



39, 14.046, 353.153



45, 13.329, 168.387

# Rectangle

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



39, 14.046, 353.153



39, 14.046, 43.153



39, 14.046, 173.153



39, 14.046, 223.153

# Sweetspot

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



39, 14.044, 353.156



58, 5.327, 351.350



38, 19.221, 314.088



29, 3.769, 351.471



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



39, 14.044, 353.156



48, 21.281, 353.887



40, 11.661, 30.995



22, 2.990, 351.426



24, 48.507, 11.463



53, 83.482, 14.758



# Inverse Universe

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



39, 14.044, 353.156



48, 21.281, 353.887



44, 9.848, 210.283



22, 2.990, 351.426



24, 48.507, 11.463

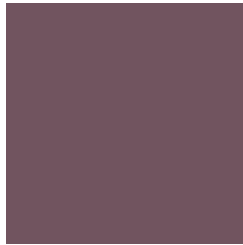


53, 83.482, 14.758



# Previews

## White Background



This preview shows how the CIE LCh color 39, 14.046, 353.153 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 39, 14.046, 353.153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

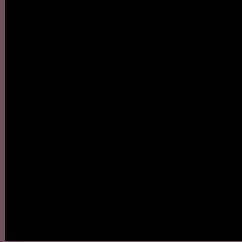
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

# CIELCh 39, 14.046, 353.153

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 14.046, 353.153.



This preview shows how white text looks on a background with the CIELCh color 39, 14.046, 353.153.

# 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

39, 14.046, 353.153

### Protanopia

39, 4.928, 295.696

### Deuteranopia

39, 5.586, 347.029





**Tritanopia**  
39, 12.242, 3.954

# Trichromacy



**Original Color**  
39, 14.046, 353.153

**Protanomaly**  
39, 7.939, 330.048

**Deuteranomaly**  
39, 8.782, 351.608

**Tritanomaly**  
39, 12.393, 1.235

# Monochromacy



**Original Color**  
39, 14.046, 353.153

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
39, 5.277, 352.603

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 14.046, 353.153 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(113, 84, 95)` looks like.

```
.text, #text, p{  
    color:rgb(113, 84, 95)  
}
```

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(113, 84, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 84, 95) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 14.046, 353.153 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(113, 84, 95) }
```

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

```
.border{ border-color:rgb(113, 84, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 84, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 84, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 84, 95);  
box-shadow:4px 4px 4px 4px rgb(113, 84,  
95) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 14.046, 353.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 84, 95) }
```

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

```
.background{ background-color: rgb(113, 84,  
95) }
```

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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