

# Converting Colors

CIELCh(41, 12.969, 323.733)

Have a look what the booklet for  
CIELCh(41, 12.969, 323.733)  
contains.

<b>CIELCh(41, 12.969, 323.733)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(41, 12.969, 323.733)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C5B6D
RGB	108, 91, 109
RGB Percent	42%, 36%, 43%
CMY	0.5751, 0.6418, 0.5711
CMYK	0.01, 0.16, 0.00, 0.57
HSL	297°, 9%, 39%
HSV	297°, 16%, 43%
XYZ	12.7789, 11.8645, 16.1862
YIQ	98.1350, 4.3540, 9.2020

# Conversions

## Conversions Part 2

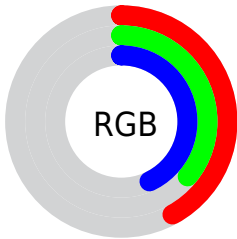
Format	Color
R <sub>Y</sub> B	108, 91, 109
Decimal	7101293
CIE Lab	41.00, 10.46, -7.67
CIE LCh	41, 12.969, 323.733
Yxy	11.8645, 0.3130, 0.2906
Android (android.graphics.Color)	4285291373 (0xFF6C5B6D)
YUV	98.1350, 5.3564, 8.6516
Hunter-Lab	34.4449, 5.9438, -3.7498

# Details

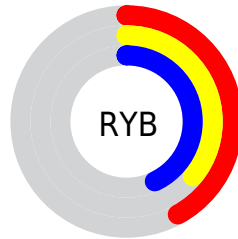
The CIELCh color  $41, 12.969, 323.733$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $44, 12.934, 142.068$ , and the grayscale version is  $42, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 12.964, 325.062$ , and  $21, 13.291, 322.344$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 20.890, 324.217$ , and if you desaturate by 10%, it is  $44, 5.065, 323.230$ .

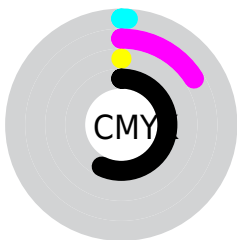
# Distribution



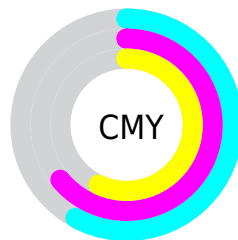
- Red (42%)
- Green (36%)
- Blue (43%)



- Red (42%)
- Yellow (36%)
- Blue (43%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)
- Black (57%)




- Cyan (58%)
- Magenta (64%)
- Yellow (57%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 12.969, 323.733 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 41, 12.969, 323.733 by changing the saturation by 10% instead.





 41, 12.969,  
323.733


 41, 12.969,  
323.733


 100, 12.969,  
323.733


 31, 12.969,  
323.733

 61, 12.969,  
323.733


 21, 12.969,  
323.733

 71, 12.969,  
323.733

 11, 12.969,  
323.733


 81, 12.969,  
323.733

 1, 12.969, 323.733

 91, 12.969,  
323.733

 0, 12.969, 323.733

 41, 12.969,

 41, 12.969,

323.733

38, 20.890,  
324.217

35, 28.706,  
324.681

32, 36.238,  
325.112

30, 43.257,  
325.491

28, 49.493,  
325.800

26, 54.660,  
326.019

25, 58.517,  
326.132

24, 61.192,  
326.151

323.733

44, 5.065, 323.230

47, 2.733, 142.841

51, 10.370,  
142.332

54, 17.814,  
141.878

57, 25.050,  
141.450

60, 32.071,  
141.046

64, 38.880,  
140.667

67, 45.483,  
140.314

■ 24, 62.121,  
326.159

■ 70, 51.888,  
139.985

# Harmonies

# Complementary

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



41, 12.969, 323.733



44, 12.934, 142.068

# Rectangle

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



41, 12.969, 323.733



41, 12.969, 13.733



41, 12.969, 143.733



41, 12.969, 193.733

# Sweetspot

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



41, 12.968, 323.733



57, 4.869, 323.158



40, 10.269, 289.136



29, 3.300, 323.187



80, 0.010, 296.813



30, 0.005, 296.813





# Same Dimension

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



41, 12.968, 323.733



52, 19.630, 323.932



41, 9.752, 341.451



21, 4.332, 323.358



26, 65.301, 326.143



56, 112.393, 326.021



# Inverse Universe

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



41, 7.801, 16.017



51, 11.954, 16.409



44, 9.614, 158.979



21, 2.551, 15.350



23, 55.513, 35.365



51, 99.232, 38.401



# Previews

## White Background



This preview shows how the CIELCh color 41, 12.969, 323.733 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 41, 12.969, 323.733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

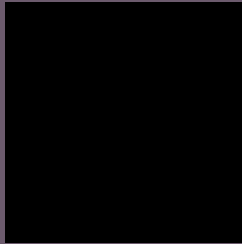
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 41, 12.969, 323.733**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 41, 12.969, 323.733.



This preview shows how white text looks on a background with the CIELCh color 41, 12.969, 323.733.

# 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

41, 12.969, 323.733

### Protanopia

41, 9.730, 287.048

### Deuteranopia

41, 9.580, 308.502





**Tritanopia**  
41, 7.254, 344.661

# Trichromacy



**Original Color**  
41, 12.969, 323.733

**Protanomaly**  
41, 10.562, 302.478

**Deuteranomaly**  
41, 10.734, 315.909

**Tritanomaly**  
41, 9.147, 333.830

# Monochromacy



**Original Color**  
41, 12.969, 323.733

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
41, 4.424, 324.708

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 12.969, 323.733 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(108, 91, 109)` looks like.

```
.text, #text, p{  
    color:rgb(108, 91, 109)  
}
```

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(108, 91, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 91, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 12.969, 323.733 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(108, 91, 109) }
```

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

```
.border{ border-color:rgb(108, 91, 109) }
```

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

Here you see how a box with a 4 pixel rgb(108, 91, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 91, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 91, 109);  
box-shadow:4px 4px 4px 4px rgb(108, 91,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 12.969, 323.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 91, 109) }
```

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

```
.background{ background-color: rgb(108, 91,  
109) }
```

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