

# Converting Colors

CIELCh(41, 15.518, 330.606)

Have a look what the booklet for  
CIELCh(41, 15.518, 330.606)  
contains.

<b>CIELCh(41, 15.598, 330.615)</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, 15.598, 330.615)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	71596D
RGB	113, 89, 109
RGB Percent	44%, 35%, 43%
CMY	0.5552, 0.6494, 0.5709
CMYK	0.00, 0.21, 0.04, 0.56
HSL	310°, 12%, 40%
HSV	310°, 21%, 44%
XYZ	13.2538, 11.8645, 16.1778
YIQ	98.4560, 7.8840, 11.3080

# Conversions

## Conversions Part 2

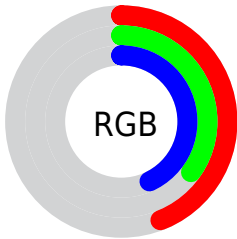
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 89, 109
Decimal	7428461
CIE <sub>Lab</sub>	41.00, 13.59, -7.65
CIE <sub>LCh</sub>	41, 15.598, 330.615
Yxy	11.8645, 0.3209, 0.2873
Android (android.graphics.Color)	4285618541 (0xFF71596D)
YUV	98.4560, 5.1982, 12.7551
Hunter-Lab	34.4449, 8.4049, -3.7354

# Details

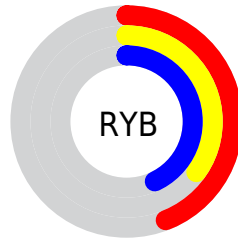
The CIELCh color  $41, 15.598, 330.615$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 15.549, 148.019$ , and the grayscale version is  $42, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 15.472, 331.209$ , and  $21, 16.047, 330.186$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 22.954, 331.226$ , and if you desaturate by 10%, it is  $44, 8.196, 330.012$ .

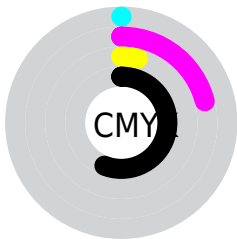
# Distribution



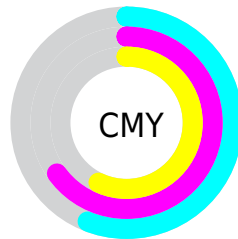
- Red (44%)
- Green (35%)
- Blue (43%)



- Red (44%)
- Yellow (35%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (4%)
- Black (56%)




- Cyan (56%)
- Magenta (65%)
- Yellow (57%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 15.598, 330.615 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, 15.598, 330.615 by changing the saturation by 10% instead.





 41, 15.598,  
330.615


 41, 15.598,  
330.615


 100, 15.598,  
330.615


 31, 15.598,  
330.615

 61, 15.598,  
330.615


 21, 15.598,  
330.615

 71, 15.598,  
330.615


 11, 15.598,  
330.615


 81, 15.598,  
330.615

 1, 15.598, 330.615

 91, 15.598,  
330.615

 0, 15.598, 330.615

 41, 15.598,

 41, 15.598,

330.615

38, 22.954,  
331.226

35, 30.117,  
331.846

32, 36.877,  
332.474

30, 42.976,  
333.111

28, 48.121,  
333.761

27, 52.034,  
334.436

26, 54.519,  
335.155

25, 56.119,  
335.801

330.615

44, 8.196, 330.012

47, 0.858, 329.232

51, 6.349, 148.940

54, 13.386,  
148.393

58, 20.231,  
147.881

61, 26.876,  
147.397

64, 33.322,  
146.938

68, 39.575,  
146.505

71, 45.643,



# Harmonies

# Complementary

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



41, 15.598, 330.615



45, 15.549, 148.019

# Rectangle

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



41, 15.598, 330.615



41, 15.598, 20.615



41, 15.598, 150.615



41, 15.598, 200.615

# Sweetspot

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



41, 15.596, 330.616



59, 5.454, 329.702



39, 14.837, 298.359



30, 3.596, 329.731



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



41, 15.596, 330.616



51, 22.902, 330.888



41, 11.293, 355.699



22, 4.084, 329.880



26, 58.329, 335.854



56, 98.924, 336.374



# Inverse Universe

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



41, 15.596, 330.616



51, 22.902, 330.888



46, 10.728, 171.803



22, 4.084, 329.880



26, 58.329, 335.854



56, 98.924, 336.374



# Previews

## White Background



This preview shows how the CIE LCh color 41, 15.598, 330.615 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 41, 15.598, 330.615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

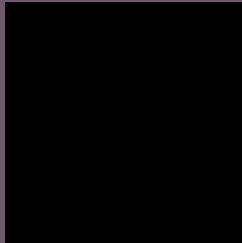
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 41, 15.598, 330.615

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 15.598, 330.615.



This preview shows how white text looks on a background with the CIELCh color 41, 15.598, 330.615.

# 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, 15.598, 330.615


### Protanopia

41, 10.963, 285.772

### Deuteranopia

41, 9.003, 309.614





**Tritanopia**  
41, 9.860, 355.430

# Trichromacy



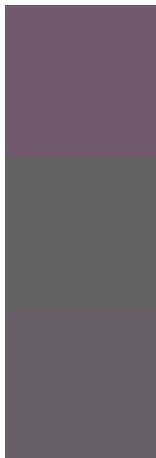
**Original Color**  
41, 15.598, 330.615

**Protanomaly**  
41, 11.237, 303.932

**Deuteranomaly**  
41, 11.827, 320.163

**Tritanomaly**  
41, 12.055, 344.135

# Monochromacy



**Original Color**  
41, 15.598, 330.615

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
42, 5.399, 328.433

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 15.598, 330.615 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, 89, 109)` looks like.

```
.text, #text, p{  
    color:rgb(113, 89, 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(113, 89, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 89, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 15.598, 330.615 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, 89, 109) }
```

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

```
.border{ border-color:rgb(113, 89, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 89, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 89, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 89, 109);  
box-shadow:4px 4px 4px 4px rgb(113, 89,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 15.598, 330.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 89, 109) }
```

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

```
.background{ background-color: rgb(113, 89,  
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