

# Converting Colors

CIELCh(41, 11.504, 344.346)

Have a look what the booklet for  
CIELCh(41, 11.504, 344.346)  
contains.

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# Color

**CIELCh(41, 11.362, 345.243)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	715B66
RGB	113, 91, 102
RGB Percent	44%, 36%, 40%
CMY	0.5582, 0.6444, 0.6013
CMYK	0.00, 0.20, 0.10, 0.56
HSL	330°, 11%, 40%
HSV	330°, 20%, 44%
XYZ	12.8585, 11.8645, 14.0937
YIQ	98.8320, 9.5810, 8.0850

# Conversions

## Conversions Part 2

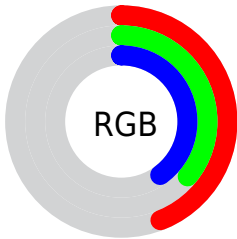
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 91, 102
Decimal	7428966
CIE Lab	41.00, 10.99, -2.89
CIE LCh	41, 11.362, 345.243
Yxy	11.8645, 0.3313, 0.3057
Android (android.graphics.Color)	4285619046 (0xFF715B66)
YUV	98.8320, 1.5618, 12.4253
Hunter-Lab	34.4449, 6.3562, -0.1480

# Details

The CIELCh color  $41, 11.362, 345.243$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 11.100, 162.054$ , and the grayscale version is  $42, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 11.524, 344.844$ , and  $21, 11.429, 346.112$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 17.297, 346.219$ , and if you desaturate by 10%, it is  $44, 5.482, 344.353$ .

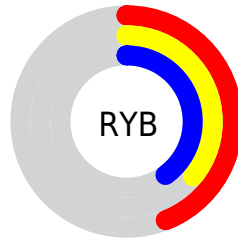
# Distribution



Red (44%)

Green (36%)

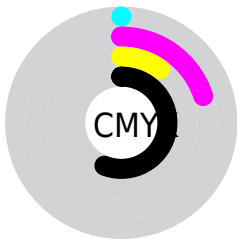
Blue (40%)



Red (44%)

Yellow (36%)

Blue (40%)

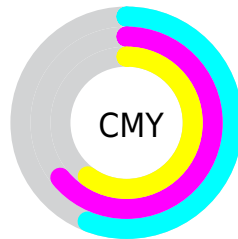


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (56%)



Cyan (56%)

Magenta (64%)


Yellow (60%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 11.362, 345.243 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, 11.362, 345.243 by changing the saturation by 10% instead.





 41, 11.362,  
345.243


 41, 11.362,  
345.243


 100, 11.362,  
345.243


 31, 11.362,  
345.243

 61, 11.362,  
345.243


 21, 11.362,  
345.243

 71, 11.362,  
345.243


 11, 11.362,  
345.243


 81, 11.362,  
345.243

 1, 11.362, 345.243

 91, 11.362,  
345.243

 0, 11.362, 345.243

 41, 11.362,

 41, 11.362,

345.243

38, 17.297,  
346.219

35, 23.183,  
347.314

32, 28.860,  
348.572

29, 34.112,  
350.049

27, 38.675,  
351.827

25, 42.278,  
354.013

24, 44.717,  
356.740

23, 46.492,  
359.815

345.243

44, 5.482, 344.353

48, 0.271, 164.599

51, 5.862, 162.940

55, 11.273,  
162.254

58, 16.501,  
161.633

61, 21.548,  
161.058

65, 26.422,  
160.524

68, 31.136,  
160.027

72, 35.699,

■ 23, 46.586,  
359.959

159.561

# Harmonies

# Complementary

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



41, 11.362, 345.243



45, 11.100, 162.054

# Rectangle

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



41, 11.362, 345.243



41, 11.362, 35.243



41, 11.362, 165.243



41, 11.362, 215.243

# Sweetspot

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



41, 11.360, 345.245



58, 4.244, 344.054



40, 14.112, 309.358



30, 2.839, 344.096



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, 11.360, 345.245



51, 16.554, 345.630



41, 9.580, 19.379



22, 3.228, 344.308



25, 48.658, 0.259



53, 82.706, 2.863



# Inverse Universe

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



41, 11.360, 345.245



51, 16.554, 345.630



46, 8.522, 196.994



22, 3.228, 344.308



25, 48.658, 0.259

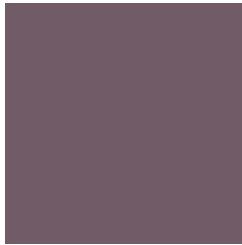


53, 82.706, 2.863



# Previews

## White Background



This preview shows how the CIELCh color 41, 11.362, 345.243 looks on a white background.

## Color Contrast Check

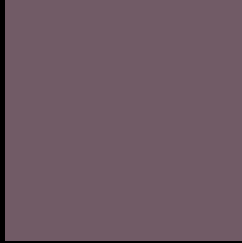
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.362, 345.243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

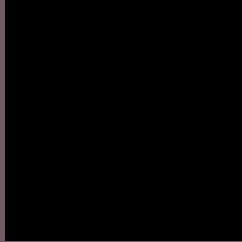
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

# CIELCh 41, 11.362, 345.243

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 11.362, 345.243.



This preview shows how white text looks on a background with the CIELCh color 41, 11.362, 345.243.

# 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, 11.362, 345.243


### Protanopia

41, 5.467, 291.005

### Deuteranopia

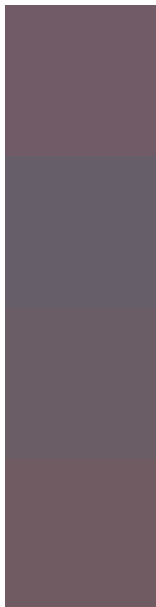
41, 5.967, 334.867





**Tritanopia**  
41, 9.860, 355.430

# Trichromacy



**Original Color**  
41, 11.362, 345.243

**Protanomaly**  
41, 6.937, 319.191

**Deuteranomaly**  
41, 7.613, 340.934

**Tritanomaly**  
41, 10.108, 352.293

# Monochromacy



**Original Color**  
41, 11.362, 345.243

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
41, 4.148, 344.193

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 11.362, 345.243 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, 91, 102)` looks like.

```
.text, #text, p{  
    color:rgb(113, 91, 102)  
}
```

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, 91, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 91, 102) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 11.362, 345.243 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, 91, 102) }
```

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

```
.border{ border-color:rgb(113, 91, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 91, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 91, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 91, 102);  
box-shadow:4px 4px 4px 4px rgb(113, 91,  
102) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 11.362, 345.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 91, 102) }
```

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

```
.background{ background-color: rgb(113, 91,  
102) }
```

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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