

# Converting Colors

CIELCh(41, 10.942, 345.203)

Have a look what the booklet for  
CIELCh(41, 10.942, 345.203)  
contains.

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# Color

**CIELCh(41, 10.693, 346.515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	705B65
RGB	112, 91, 101
RGB Percent	44%, 36%, 40%
CMY	0.5608, 0.6432, 0.6039
CMYK	0.00, 0.19, 0.10, 0.56
HSL	331°, 10%, 40%
HSV	331°, 19%, 44%
XYZ	12.7701, 11.8645, 13.9269
YIQ	98.4190, 9.3060, 7.5620

# Conversions

## Conversions Part 2

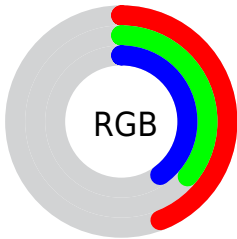
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 91, 101
Decimal	7363429
CIE Lab	41.00, 10.40, -2.49
CIE LCh	41, 10.693, 346.515
Yxy	11.8645, 0.3312, 0.3077
Android (android.graphics.Color)	4285553509 (0xFF705B65)
YUV	98.4190, 1.2724, 11.9105
Hunter-Lab	34.4449, 5.8986, 0.1390

# Details

The CIELCh color  $41, 10.693, 346.515$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 10.428, 163.408$ , and the grayscale version is  $42, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 10.895, 346.007$ , and  $21, 10.707, 347.515$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 16.523, 347.513$ , and if you desaturate by 10%, it is  $44, 4.933, 345.606$ .

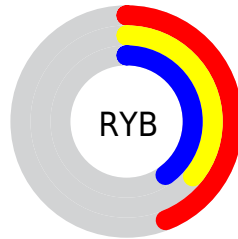
# Distribution



Red (44%)

Green (36%)

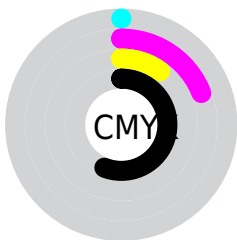
Blue (40%)



Red (44%)

Yellow (36%)

Blue (40%)

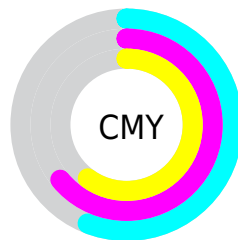


Cyan (0%)

Magenta (19%)

Yellow (10%)

Black (56%)



Cyan (56%)

Magenta (64%)


Yellow (60%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 10.693, 346.515 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, 10.693, 346.515 by changing the saturation by 10% instead.





 41, 10.693,  
346.515


 41, 10.693,  
346.515


 100, 10.693,  
346.515


 31, 10.693,  
346.515

 61, 10.693,  
346.515


 21, 10.693,  
346.515

 71, 10.693,  
346.515


 11, 10.693,  
346.515


 81, 10.693,  
346.515

 1, 10.693, 346.515

 91, 10.693,  
346.515

 0, 10.693, 346.515

 41, 10.693,

 41, 10.693,

346.515

38, 16.523,  
347.513

35, 22.326,  
348.637

32, 27.952,  
349.933

29, 33.193,  
351.462

27, 37.794,  
353.308

25, 41.488,  
355.585

24, 44.071,  
358.431

23, 45.938, 1.691

346.515

44, 4.933, 345.606

48, 0.690, 165.256

51, 6.146, 164.179

55, 11.420,  
163.489

58, 16.509,  
162.863

61, 21.419,  
162.287

65, 26.158,  
161.751

68, 30.738,  
161.253

72, 35.170,



23, 46.193, 2.085

160.787

# Harmonies

# Complementary

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



41, 10.693, 346.515



45, 10.428, 163.408

# Rectangle

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



41, 10.693, 346.515



41, 10.693, 36.515



41, 10.693, 166.515



41, 10.693, 216.515

# Sweetspot

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



41, 10.691, 346.518



58, 4.176, 345.368



40, 13.563, 310.454



30, 2.793, 345.412



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, 10.691, 346.518



51, 15.589, 346.886



41, 8.998, 21.933



22, 3.177, 345.629



25, 48.457, 2.436



53, 82.526, 5.201



# Inverse Universe

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



41, 10.691, 346.518



51, 15.589, 346.886



46, 8.008, 200.027



22, 3.177, 345.629



25, 48.457, 2.436

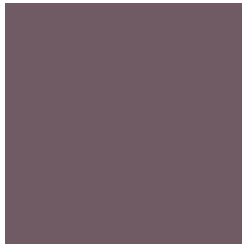


53, 82.526, 5.201



# Previews

## White Background



This preview shows how the CIELCh color 41, 10.693, 346.515 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, 10.693, 346.515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

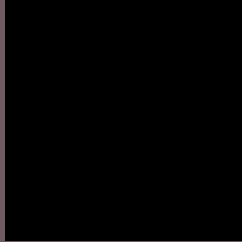
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 41, 10.693, 346.515**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 41, 10.693, 346.515.



This preview shows how white text looks on a background with the CIELCh color 41, 10.693, 346.515.

# 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, 10.693, 346.515

### Protanopia

41, 4.860, 290.916

### Deuteranopia

41, 5.881, 342.028





**Tritanopia**  
41, 10.108, 352.293

# Trichromacy



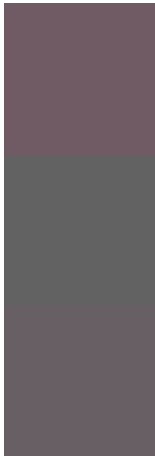
**Original Color**  
41, 10.693, 346.515

**Protanomaly**  
41, 6.413, 321.770

**Deuteranomaly**  
41, 7.601, 346.603

**Tritanomaly**  
41, 10.387, 349.320

# Monochromacy



**Original Color**  
41, 10.693, 346.515

**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, 10.693, 346.515 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(112, 91, 101)` looks like.

```
.text, #text, p{  
    color:rgb(112, 91, 101)  
}
```

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(112, 91, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 91, 101) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 10.693, 346.515 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(112, 91, 101) }
```

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

```
.border{ border-color:rgb(112, 91, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 91, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 91, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 91, 101);  
box-shadow:4px 4px 4px 4px rgb(112, 91,  
101) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 10.693, 346.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 91, 101) }
```

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

```
.background{ background-color: rgb(112, 91,  
101) }
```

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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