

# Converting Colors

CIELCh(42, 10.875, 330.782)

Have a look what the booklet for  
CIELCh(42, 10.875, 330.782)  
contains.

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# Color

**CIELCh(42, 10.986, 330.592)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F5E6C
RGB	111, 94, 108
RGB Percent	44%, 37%, 42%
CMY	0.5642, 0.6309, 0.5760
CMYK	0.00, 0.15, 0.03, 0.56
HSL	311°, 8%, 40%
HSV	311°, 15%, 44%
XYZ	13.2982, 12.5000, 15.9339
YIQ	100.6790, 5.6380, 7.9580

# Conversions

## Conversions Part 2

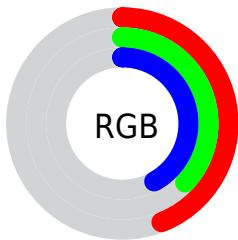
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	111, 94, 108
Decimal	7298668
CIE Lab	42.00, 9.57, -5.39
CIE LCh	42, 10.986, 330.592
Yxy	12.5000, 0.3187, 0.2995
Android (android.graphics.Color)	4285488748 (0xFF6F5E6C)
YUV	100.6790, 3.6093, 9.0515
Hunter-Lab	35.3553, 5.2675, -1.9720

# Details

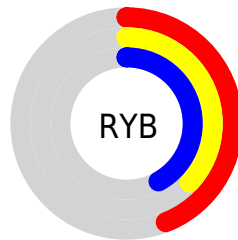
The CIELCh color  $42, 10.986, 330.592$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 10.952, 148.776$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 11.162, 331.595$ , and  $22, 11.029, 329.534$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 18.211, 331.203$ , and if you desaturate by 10%, it is  $45, 3.783, 329.973$ .

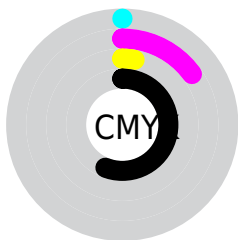
# Distribution



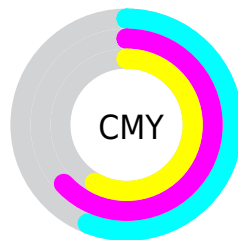
- Red (44%)
- Green (37%)
- Blue (42%)



- Red (44%)
- Yellow (37%)
- Blue (42%)



- Cyan (0%)
- Magenta (15%)
- Yellow (3%)
- Black (56%)




- Cyan (56%)
- Magenta (63%)
- Yellow (58%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 10.986, 330.592 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 42, 10.986, 330.592 by changing the saturation by 10% instead.





 42, 10.986,  
330.592


 42, 10.986,  
330.592


 100, 10.986,  
330.592


 32, 10.986,  
330.592

 62, 10.986,  
330.592


 22, 10.986,  
330.592

 72, 10.986,  
330.592

 12, 10.986,  
330.592


 82, 10.986,  
330.592

 2, 10.986, 330.592

 92, 10.986,  
330.592

 0, 10.986, 330.592

 42, 10.986,

 42, 10.986,

330.592

330.592

39, 18.211,  
331.203

45, 3.783, 329.973

36, 25.343,  
331.825

48, 3.314, 149.520

33, 32.210,  
332.458

52, 10.257,  
148.937

31, 38.590,  
333.103

55, 17.020,  
148.411

29, 44.213,  
333.764

58, 23.590,  
147.914

27, 48.789,  
334.448

62, 29.965,  
147.444

26, 52.069,  
335.171

65, 36.149,  
146.999

25, 54.063,  
335.947

69, 42.149,  
146.579

■ 24, 54.932,  
336.306

■ 72, 47.976,  
146.182

# Harmonies

# Complementary

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



42, 10.986, 330.592



45, 10.952, 148.776

# Rectangle

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



42, 10.986, 330.592



42, 10.986, 20.592



42, 10.986, 150.592



42, 10.986, 200.592

# Sweetspot

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



42, 10.984, 330.593



58, 4.448, 329.962



41, 10.428, 297.847



30, 3.059, 329.999



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



42, 10.984, 330.593



53, 16.126, 330.786



42, 7.949, 355.064



22, 4.055, 330.210



26, 57.914, 336.386



56, 98.184, 336.947



# Inverse Universe

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



42, 10.984, 330.593



53, 16.126, 330.786



45, 7.662, 172.379



22, 4.055, 330.210



26, 57.914, 336.386



56, 98.184, 336.947



# Previews

## White Background



This preview shows how the CIELCh color 42, 10.986, 330.592 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 42, 10.986, 330.592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

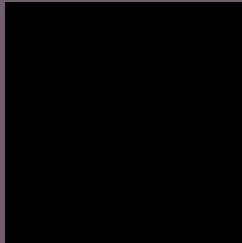
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 42, 10.986, 330.592**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 42, 10.986, 330.592.



This preview shows how white text looks on a background with the CIELCh color 42, 10.986, 330.592.

# 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

42, 10.986, 330.592

### Protanopia

42, 7.253, 288.126

### Deuteranopia

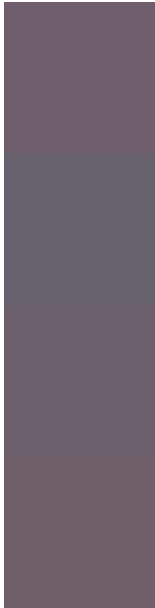
42, 8.167, 317.727





**Tritanopia**  
42, 7.913, 342.926

# Trichromacy



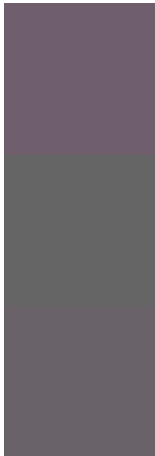
**Original Color**  
42, 10.986, 330.592

**Protanomaly**  
42, 8.259, 308.231

**Deuteranomaly**  
42, 9.301, 322.908

**Tritanomaly**  
42, 8.680, 336.559

# Monochromacy



**Original Color**  
42, 10.986, 330.592

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
42, 4.655, 328.943

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 10.986, 330.592 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(111, 94, 108)` looks like.

```
.text, #text, p{  
    color:rgb(111, 94, 108)  
}
```

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(111, 94, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 94, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 10.986, 330.592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

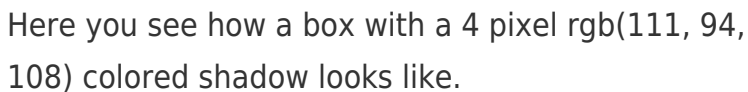
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 94, 108) }
```

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

```
.border{ border-color:rgb(111, 94, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 94, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 94, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 94, 108); box-shadow:4px 4px 4px 4px rgb(111, 94, 108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 10.986, 330.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 94, 108) }
```

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

```
.background{ background-color: rgb(111, 94,  
108) }
```

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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