

# Converting Colors

CIELCh(43, 10.364, 336.722)

Have a look what the booklet for  
CIELCh(43, 10.364, 336.722)  
contains.

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# Color

**CIELCh(43, 10.366, 336.720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	72606C
RGB	114, 96, 108
RGB Percent	45%, 38%, 42%
CMY	0.5510, 0.6216, 0.5745
CMYK	0.00, 0.16, 0.05, 0.55
HSL	320°, 9%, 41%
HSV	320°, 16%, 45%
XYZ	13.9641, 13.1578, 16.1282
YIQ	102.7500, 6.8760, 7.5480

# Conversions

## Conversions Part 2

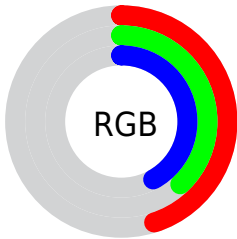
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 96, 108
Decimal	7495788
CIE <sub>Lab</sub>	43.00, 9.52, -4.10
CIE <sub>LCh</sub>	43, 10.366, 336.720
Yxy	13.1578, 0.3229, 0.3042
Android (android.graphics.Color)	4285685868 (0xFF72606C)
YUV	102.7500, 2.5883, 9.8663
Hunter-Lab	36.2736, 5.2375, -0.9703

# Details

The CIELCh color  $43, 10.366, 336.720$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $46, 10.281, 154.573$ , and the grayscale version is  $44, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 9.943, 337.988$ , and  $23, 10.303, 336.308$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 17.025, 337.472$ , and if you desaturate by 10%, it is  $46, 3.749, 335.989$ .

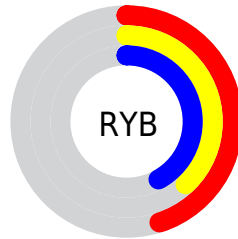
# Distribution



Red (45%)

Green (38%)

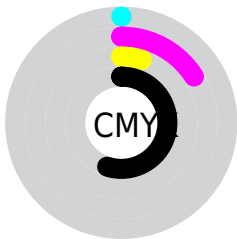
Blue (42%)



Red (45%)

Yellow (38%)

Blue (42%)

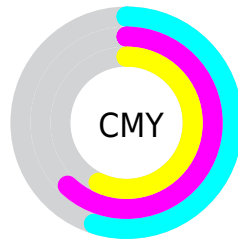


Cyan (0%)

Magenta (16%)

Yellow (5%)

Black (55%)



Cyan (55%)

Magenta (62%)


Yellow (57%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 10.366, 336.720 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 43, 10.366, 336.720 by changing the saturation by 10% instead.





 43, 10.366,  
336.720


 43, 10.366,  
336.720


 100, 10.366,  
336.720


 33, 10.366,  
336.720

 63, 10.366,  
336.720


 23, 10.366,  
336.720

 73, 10.366,  
336.720

 13, 10.366,  
336.720


 83, 10.366,  
336.720

 3, 10.366, 336.720

 93, 10.366,  
336.720

 0, 10.366, 336.720

 43, 10.366,

 43, 10.366,

336.720

336.720

40, 17.025,  
337.472

46, 3.749, 335.989

37, 23.619,  
338.273

50, 2.751, 155.485

34, 29.986,  
339.143

53, 9.094, 154.814

31, 35.905,  
340.100

57, 15.259,  
154.229

29, 41.104,  
341.177

60, 21.239,  
153.683

27, 45.286,  
342.419

64, 27.034,  
153.170

26, 48.189,  
343.888

67, 32.651,  
152.688

25, 49.837,  
345.618

71, 38.099,  
152.234

74, 43.389,

■ 24, 50.501,  
346.357

151.807

# Harmonies

# Complementary

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



43, 10.366, 336.720



46, 10.281, 154.573

# Rectangle

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



43, 10.366, 336.720



43, 10.366, 26.720



43, 10.366, 156.720



43, 10.366, 206.720

# Sweetspot

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



43, 10.364, 336.722



59, 4.031, 335.941



42, 11.196, 303.914



30, 2.733, 335.983



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



43, 10.364, 336.722



54, 15.470, 336.998



43, 7.854, 7.213



22, 3.626, 336.231



25, 52.127, 346.477



55, 88.072, 347.901



# Inverse Universe

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



43, 10.364, 336.722



54, 15.470, 336.998



47, 7.357, 184.574



22, 3.626, 336.231



25, 52.127, 346.477



55, 88.072, 347.901



# Previews

## White Background



This preview shows how the CIELCh color 43, 10.366, 336.720 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 43, 10.366, 336.720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

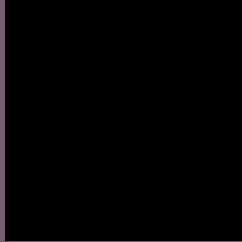
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 10.366, 336.720

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 10.366, 336.720.



This preview shows how white text looks on a background with the CIELCh color 43, 10.366, 336.720.

# 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

43, 10.366, 336.720


### Protanopia

43, 6.021, 291.055

### Deuteranopia

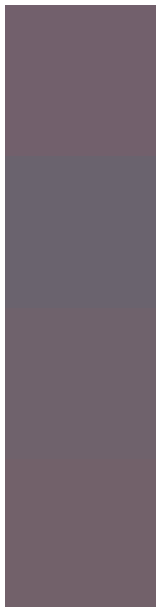
43, 6.817, 327.745





**Tritanopia**  
43, 8.564, 346.480

# Trichromacy



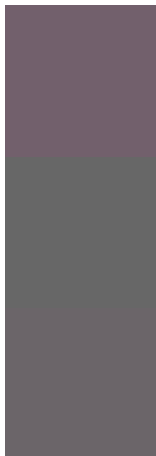
**Original Color**  
43, 10.366, 336.720

**Protanomaly**  
43, 7.241, 314.063

**Deuteranomaly**  
43, 8.069, 332.312

**Tritanomaly**  
43, 8.899, 343.246

# Monochromacy



**Original Color**  
43, 10.366, 336.720

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
43, 3.468, 335.970

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 10.366, 336.720 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(114, 96, 108)` looks like.

```
.text, #text, p{  
    color:rgb(114, 96, 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(114, 96, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 96, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 10.366, 336.720 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(114, 96, 108) }
```

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

```
.border{ border-color:rgb(114, 96, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 96, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 96, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 96, 108);  
box-shadow:4px 4px 4px 4px rgb(114, 96,  
108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 10.366, 336.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 96, 108) }
```

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

```
.background{ background-color: rgb(114, 96,  
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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