

# Converting Colors

CIELCh(43, 4.824, 352.256)

Have a look what the booklet for  
CIELCh(43, 4.824, 352.256) contains.

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# Color

**CIELCh(43, 4.823, 350.140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D6367
RGB	109, 99, 103
RGB Percent	43%, 39%, 40%
CMY	0.5725, 0.6117, 0.5960
CMYK	0.00, 0.09, 0.06, 0.57
HSL	336°, 5%, 41%
HSV	336°, 9%, 43%
XYZ	13.2203, 13.1578, 14.6784
YIQ	102.4460, 4.6760, 3.3640

# Conversions

## Conversions Part 2

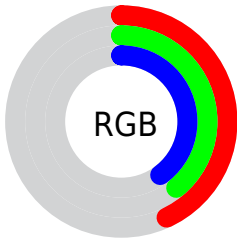
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 99, 103
Decimal	7168871
CIE Lab	43.00, 4.75, -0.83
CIE LCh	43, 4.823, 350.140
Yxy	13.1578, 0.3220, 0.3205
Android (android.graphics.Color)	4285358951 (0xFF6D6367)
YUV	102.4460, 0.2731, 5.7479
Hunter-Lab	36.2736, 1.5771, 1.3995

# Details

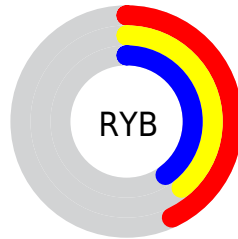
The CIELCh color  $43, 4.823, 350.140$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 4.737, 168.710$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 4.482, 349.878$ , and  $23, 4.633, 354.861$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 10.220, 351.128$ , and if you desaturate by 10%, it is  $46, 0.424, 170.027$ .

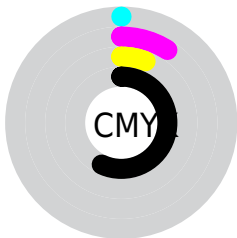
# Distribution



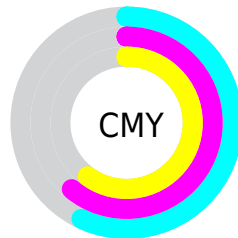
- Red (43%)
- Green (39%)
- Blue (40%)



- Red (43%)
- Yellow (39%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (6%)
- Black (57%)



- Cyan (57%)
- Magenta (61%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 4.823, 350.140 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, 4.823, 350.140 by changing the saturation by 10% instead.



■ 43, 4.823, 350.140

■ 43, 4.823, 350.140

■ 100, 4.823,  
350.140

■ 33, 4.823, 350.140

■ 63, 4.823, 350.140

■ 23, 4.823, 350.140

■ 73, 4.823, 350.140

■ 13, 4.823, 350.140

■ 83, 4.823, 350.140

■ 3, 4.823, 350.140

■ 93, 4.823, 350.140

■ 0, 4.823, 350.140

■ 43, 4.823, 350.140

■ 43, 4.823, 350.140

■ 40, 10.220,  
351.128

■ 46, 0.424, 170.027

■ 37, 15.719,

■ 50, 5.491, 168.644

352.217

53, 10.369,  
167.923

34, 21.229,  
353.466

56, 15.060,  
167.277

31, 26.614,  
354.933

60, 19.571,  
166.685

28, 31.685,  
356.693

63, 23.913,  
166.139

26, 36.208,  
358.849

67, 28.099,  
165.634

24, 39.942, 1.536

70, 32.142,  
165.163

23, 42.712, 4.903

22, 44.987, 8.659

73, 36.053,  
164.724

# Harmonies

# Complementary

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



43, 4.823, 350.140



45, 4.737, 168.710

# Rectangle

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



43, 4.823, 350.140



43, 4.823, 40.140



43, 4.823, 170.140



43, 4.823, 220.140

# Sweetspot

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



43, 4.822, 350.147



58, 1.952, 349.502



43, 6.529, 312.830



29, 1.470, 349.592



80, 0.010, 296.813



30, 0.005, 296.813



# Same Dimension

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



43, 4.822, 350.147



55, 7.239, 350.352



43, 3.843, 28.738



21, 2.910, 350.125



24, 47.633, 9.407



52, 82.397, 12.705





# Inverse Universe

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



43, 4.822, 350.147



55, 7.239, 350.352



45, 3.635, 208.551



21, 2.910, 350.125



24, 47.633, 9.407



52, 82.397, 12.705



# Previews

## White Background



This preview shows how the CIELCh color 43, 4.823, 350.140 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 43, 4.823, 350.140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

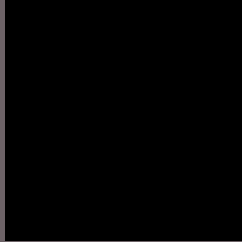
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 4.823, 350.140

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 4.823, 350.140.



This preview shows how white text looks on a background with the CIELCh color 43, 4.823, 350.140.

# 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, 4.823, 350.140

### Protanopia

43, 1.997, 314.727

### Deuteranopia

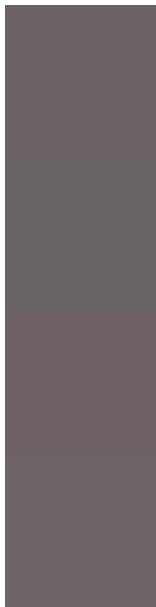
43, 6.217, 351.351



**Tritanopia**  
43, 5.916, 334.839



# Trichromacy



## Original Color

43, 4.823, 350.140

## Protanomaly

43, 3.189, 330.744

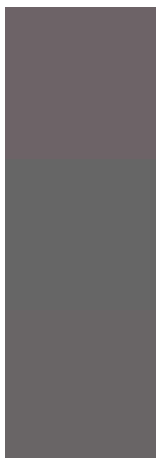
## Deuteranomaly

43, 5.852, 349.283

## Tritanomaly

43, 5.510, 339.242

# Monochromacy



## Original Color

43, 4.823, 350.140

## Achromatopsia

43, 0.006, 296.813

## Achromatomaly

43, 1.774, 359.673

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 4.823, 350.140 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(109, 99, 103)` looks like.

```
.text, #text, p{  
    color:rgb(109, 99, 103)  
}
```

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(109, 99, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 99, 103) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 4.823, 350.140 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(109, 99, 103) }
```

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

```
.border{ border-color:rgb(109, 99, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 99, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 99, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 99, 103);  
box-shadow:4px 4px 4px 4px rgb(109, 99,  
103) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 4.823, 350.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 99, 103) }
```

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

```
.background{ background-color: rgb(109, 99,  
103) }
```

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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