

# Converting Colors

CIELCh(43, 5.905, 340.873)

Have a look what the booklet for  
CIELCh(43, 5.905, 340.873) contains.

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# Color

**CIELCh(43, 5.830, 341.994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6E6369
RGB	110, 99, 105
RGB Percent	43%, 39%, 41%
CMY	0.5701, 0.6132, 0.5897
CMYK	0.00, 0.10, 0.05, 0.57
HSL	327°, 5%, 41%
HSV	327°, 10%, 43%
XYZ	13.3420, 13.1578, 15.1016
YIQ	102.9730, 4.6300, 4.1980

# Conversions

## Conversions Part 2

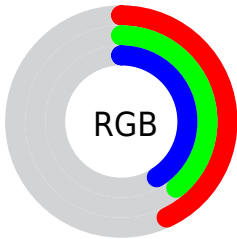
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	110, 99, 105
Decimal	7234409
CIE Lab	43.00, 5.54, -1.80
CIE LCh	43, 5.830, 341.994
Yxy	13.1578, 0.3207, 0.3163
Android (android.graphics.Color)	4285424489 (0xFF6E6369)
YUV	102.9730, 0.9993, 6.1627
Hunter-Lab	36.2736, 2.1762, 0.7077

# Details

The CIELCh color  $43, 5.830, 341.994$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 5.768, 160.564$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 5.735, 344.192$ , and  $23, 5.314, 341.755$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 11.746, 342.843$ , and if you desaturate by 10%, it is  $46, 0.020, 328.402$ .

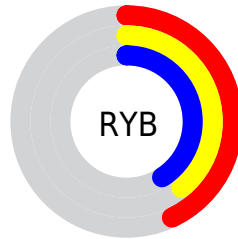
# Distribution



Red (43%)

Green (39%)

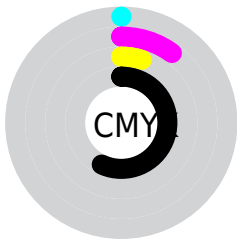
Blue (41%)



Red (43%)

Yellow (39%)

Blue (41%)

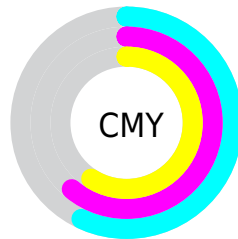


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (57%)



Cyan (57%)

Magenta (61%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 5.830, 341.994 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, 5.830, 341.994 by changing the saturation by 10% instead.



■ 43, 5.830, 341.994

■ 43, 5.830, 341.994

■ 100, 5.830,  
341.994

■ 33, 5.830, 341.994

■ 63, 5.830, 341.994

■ 23, 5.830, 341.994

■ 73, 5.830, 341.994

■ 13, 5.830, 341.994

■ 83, 5.830, 341.994

■ 3, 5.830, 341.994

■ 93, 5.830, 341.994

■ 0, 5.830, 341.994

■ 43, 5.830, 341.994

■ 43, 5.830, 341.994

■ 40, 11.746,  
342.843

■ 46, 0.020, 328.402

■ 37, 17.701,

■ 50, 5.641, 160.637

343.759

53, 11.130,  
159.971

34, 23.581,  
344.778

56, 16.443,  
159.365

31, 29.222,  
345.934

60, 21.580,  
158.803

29, 34.406,  
347.275

63, 26.548,  
158.278

26, 38.870,  
348.869

67, 31.357,  
157.788

25, 42.343,  
350.808

70, 36.018,  
157.329

23, 44.622,  
353.209

73, 40.540,  
156.898

22, 46.297,  
355.854

# Harmonies

# Complementary

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



43, 5.830, 341.994



45, 5.768, 160.564

# Rectangle

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



43, 5.830, 341.994



43, 5.830, 31.994



43, 5.830, 161.994



43, 5.830, 211.994

# Sweetspot

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



43, 5.829, 341.998



58, 2.153, 341.370



43, 6.954, 307.741



29, 1.621, 341.447



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, 5.829, 341.998



54, 8.685, 342.189



43, 4.655, 15.887



21, 3.201, 341.908



24, 48.526, 356.146



53, 82.837, 358.493





# Inverse Universe

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



43, 5.829, 341.998



54, 8.685, 342.189



45, 4.409, 194.696



21, 3.201, 341.908



24, 48.526, 356.146



53, 82.837, 358.493



# Previews

## White Background



This preview shows how the CIELCh color 43, 5.830, 341.994 looks on a white background.

## Color Contrast Check

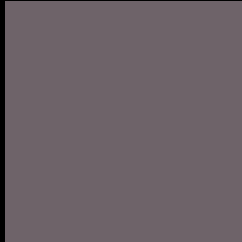
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.830, 341.994 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

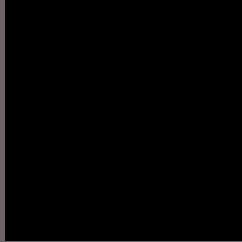
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 5.830, 341.994

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 5.830, 341.994.



This preview shows how white text looks on a background with the CIELCh color 43, 5.830, 341.994.

# 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, 5.830, 341.994

### Protanopia

43, 3.046, 298.296

### Deuteranopia

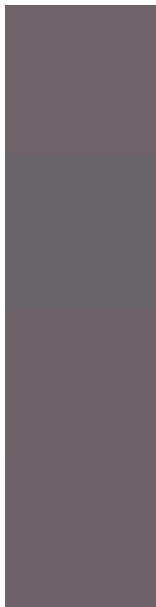
43, 6.535, 340.178



**Tritanopia**  
43, 6.931, 336.362



# Trichromacy



## Original Color

43, 5.830, 341.994

## Protanomaly

43, 4.176, 320.006

## Deuteranomaly

43, 6.535, 340.178

## Tritanomaly

43, 6.931, 336.362

# Monochromacy



## Original Color

43, 5.830, 341.994

## Achromatopsia

44, 0.006, 296.813

## Achromatomaly

43, 2.461, 332.488

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 5.830, 341.994 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(110, 99, 105)` looks like.

```
.text, #text, p{  
    color:rgb(110, 99, 105)  
}
```

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(110, 99, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 99, 105) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 5.830, 341.994 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(110, 99, 105) }
```

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

```
.border{ border-color:rgb(110, 99, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 99, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 99, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 99, 105);  
box-shadow:4px 4px 4px 4px rgb(110, 99,  
105) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 5.830, 341.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 99, 105) }
```

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

```
.background{ background-color: rgb(110, 99,  
105) }
```

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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