

# Converting Colors

CIELCh(43, 7.180, 313.272)

Have a look what the booklet for  
CIELCh(43, 7.180, 313.272) contains.

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# Color

**CIELCh(43, 7.241, 314.063)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6A636E
RGB	106, 99, 110
RGB Percent	42%, 39%, 43%
CMY	0.5837, 0.6111, 0.5680
CMYK	0.04, 0.10, 0.00, 0.57
HSL	278°, 5%, 41%
HSV	278°, 10%, 43%
XYZ	13.2638, 13.1578, 16.6394
YIQ	102.3470, 0.6410, 4.9050

# Conversions

## Conversions Part 2

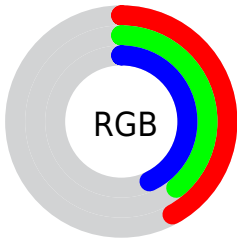
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 99, 110
Decimal	6972270
CIE <sub>Lab</sub>	43.00, 5.04, -5.20
CIE <sub>LCh</sub>	43, 7.241, 314.063
Yxy	13.1578, 0.3080, 0.3056
Android (android.graphics.Color)	4285162350 (0xFF6A636E)
YUV	102.3470, 3.7729, 3.2037
Hunter-Lab	36.2736, 1.7913, -1.8058

# Details

The CIELCh color **43, 7.241, 314.063** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 7.169, 133.300**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 7.254, 312.212**, and **23, 6.605, 315.186** is the 20% darker color. If you saturate the color by 10%, you get **40, 14.642, 314.481**, and if you desaturate by 10%, it is **47, 0.004, 158.373**.

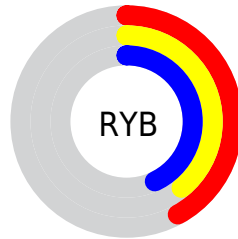
# Distribution



Red (42%)

Green (39%)

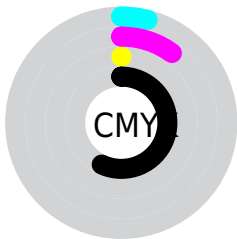
Blue (43%)



Red (42%)

Yellow (39%)

Blue (43%)

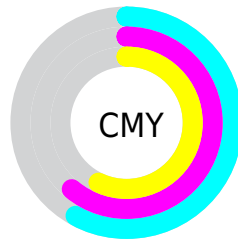


Cyan (4%)

Magenta (10%)

Yellow (0%)

Black (57%)



Cyan (58%)

Magenta (61%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 7.241, 314.063 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, 7.241, 314.063 by changing the saturation by 10% instead.



■ 43, 7.241, 314.063

■ 43, 7.241, 314.063

■ 100, 7.241,  
314.063

■ 33, 7.241, 314.063

■ 63, 7.241, 314.063

■ 23, 7.241, 314.063

■ 73, 7.241, 314.063

■ 13, 7.241, 314.063

■ 83, 7.241, 314.063

■ 3, 7.241, 314.063

■ 93, 7.241, 314.063

■ 0, 7.241, 314.063

■ 43, 7.241, 314.063

■ 43, 7.241, 314.063

■ 40, 14.642,  
314.481

■ 47, 0.004, 158.373

■ 36, 22.160,

■ 50, 7.065, 133.334

314.908

54, 13.934,  
132.992

33, 29.716,  
315.331

57, 20.608,  
132.685

30, 37.186,  
315.726

61, 27.092,  
132.408

27, 44.382,  
316.061

64, 33.391,  
132.160

24, 51.035,  
316.288

68, 39.514,  
131.940

21, 56.797,  
316.348

71, 45.469,  
131.744

19, 61.287,  
316.172

74, 51.265,  
131.571

18, 65.101,  
315.920

# Harmonies

# Complementary

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



43, 7.241, 314.063



46, 7.169, 133.300

# Rectangle

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



43, 7.241, 314.063



43, 7.241, 4.063



43, 7.241, 134.063



43, 7.241, 184.063

# Sweetspot

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



43, 7.240, 314.061



58, 2.673, 313.756



44, 4.451, 269.655



29, 2.013, 313.791



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, 7.240, 314.061



54, 10.790, 314.159



43, 7.317, 328.838



22, 4.135, 314.021



20, 69.182, 315.826



44, 118.630, 315.243





# Inverse Universe

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



43, 5.190, 352.522



54, 7.745, 352.753



45, 7.300, 147.744



22, 2.963, 352.427



24, 48.649, 12.920



52, 83.889, 16.274



# Previews

## White Background



This preview shows how the CIELCh color 43, 7.241, 314.063 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, 7.241, 314.063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

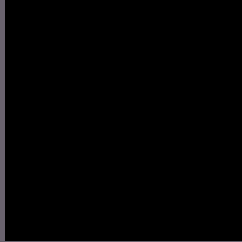
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 43, 7.241, 314.063

## Background



This preview shows how black text looks on a background with the CIELCh color 43, 7.241, 314.063.



This preview shows how white text looks on a background with the CIELCh color 43, 7.241, 314.063.

# 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, 7.241, 314.063

### Protanopia

43, 6.021, 291.055

### Deuteranopia

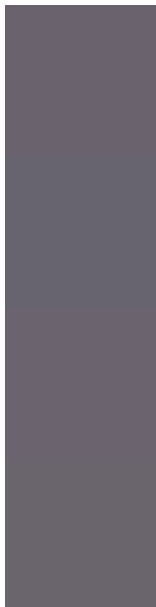
43, 7.410, 316.972



**Tritanopia**  
43, 4.901, 320.748



# Trichromacy



## Original Color

43, 7.241, 314.063

## Protanomaly

43, 6.755, 301.353

## Deuteranomaly

43, 7.410, 316.972

## Tritanomaly

43, 5.427, 317.568

# Monochromacy



## Original Color

43, 7.241, 314.063

## Achromatopsia

44, 0.006, 296.813

## Achromatomaly

43, 2.552, 309.194

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 7.241, 314.063 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(106, 99, 110)` looks like.

```
.text, #text, p{  
    color:rgb(106, 99, 110)  
}
```

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(106, 99, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 99, 110) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 7.241, 314.063 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(106, 99, 110) }
```

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

```
.border{ border-color:rgb(106, 99, 110) }
```

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

Here you see how a box with a 4 pixel rgb(106, 99, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 99, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 99, 110);  
box-shadow:4px 4px 4px 4px rgb(106, 99,  
110) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 7.241, 314.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 99, 110) }
```

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

```
.background{ background-color: rgb(106, 99,  
110) }
```

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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