

# Converting Colors

CIELCh(43, 17.996, 156.577)

Have a look what the booklet for  
CIELCh(43, 17.996, 156.577)  
contains.

<b>CIELCh(43, 18.118, 155.902)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(43, 18.118, 155.902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C6D59
RGB	76, 109, 89
RGB Percent	30%, 43%, 35%
CMY	0.7025, 0.5731, 0.6515
CMYK	0.30, 0.00, 0.18, 0.57
HSL	144°, 18%, 36%
HSV	144°, 30%, 43%
XYZ	10.2213, 13.1578, 11.4228
YIQ	96.8530, -13.2480, -13.2160

# Conversions

## Conversions Part 2

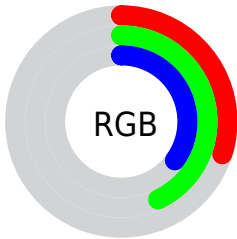
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 100, 109
Decimal	5008729
CIE <sub>Lab</sub>	43.00, -16.54, 7.40
CIE <sub>LCh</sub>	43, 18.118, 155.902
Yxy	13.1578, 0.2937, 0.3781
Android (android.graphics.Color)	4283198809 (0xFF4C6D59)
YUV	96.8530, -3.8715, -18.2881
Hunter-Lab	36.2736, -13.1805, 6.7207

# Details

The CIELCh color  $43, 18.118, 155.902$  is a dark color, and the websafe version is hex  $336666$ . A complement of this color would be  $36, 18.478, 340.670$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $63, 18.258, 155.623$ , and  $23, 17.681, 156.778$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 23.937, 154.867$ , and if you desaturate by 10%, it is  $44, 12.169, 156.819$ .

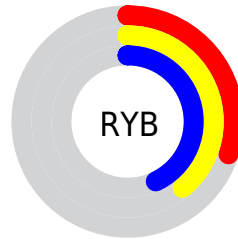
# Distribution



Red (30%)

Green (43%)

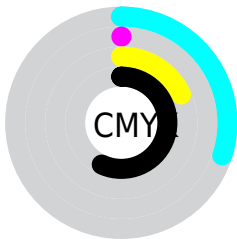
Blue (35%)



Red (30%)

Yellow (39%)

Blue (43%)

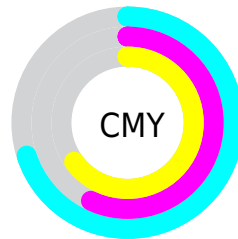


Cyan (30%)

Magenta (0%)

Yellow (18%)

Black (57%)



Cyan (70%)

Magenta (57%)


Yellow (65%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 18.118, 155.902 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, 18.118, 155.902 by changing the saturation by 10% instead.





 43, 18.118,  
155.902


 43, 18.118,  
155.902


 100, 18.118,  
155.902


 33, 18.118,  
155.902

 63, 18.118,  
155.902


 23, 18.118,  
155.902

 73, 18.118,  
155.902

 13, 18.118,  
155.902

 83, 18.118,  
155.902

 3, 18.118, 155.902

 93, 18.118,  
155.902

 0, 18.118, 155.902

 43, 18.118,

 43, 18.118,

155.902

■ 42, 23.937,  
154.867

■ 42, 29.532,  
153.694

■ 41, 34.810,  
152.364

■ 41, 39.679,  
150.859

■ 40, 44.062,  
149.172

■ 40, 47.912,  
147.310

■ 40, 51.311,  
145.571

155.902

■ 44, 12.169,  
156.819

■ 45, 6.168, 157.646

■ 46, 0.180, 159.647

■ 47, 5.742, 338.939

■ 48, 11.559,  
339.548

■ 50, 17.244,  
340.092

■ 51, 22.780,  
340.588

■ 53, 28.157,  
341.045

■ 54, 33.370,



# Harmonies

# Complementary

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



43, 18.118, 155.902



36, 18.478, 340.670

# Rectangle

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



43, 18.118, 155.902



43, 18.118, 205.902



43, 18.118, 335.902



43, 18.118, 25.902

# Sweetspot

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



43, 18.119, 155.901



57, 6.625, 157.732



44, 20.251, 123.416



29, 4.642, 157.641



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, 18.119, 155.901



54, 26.389, 155.230



43, 12.875, 187.501



22, 3.315, 157.755



43, 54.346, 145.371



85, 96.375, 144.003



# Inverse Universe

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



36, 18.478, 340.670



45, 26.995, 341.270



36, 14.964, 12.760



21, 3.340, 338.941



25, 49.734, 351.080



54, 84.697, 352.975



# Previews

## White Background



This preview shows how the CIELCh color 43, 18.118, 155.902 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, 18.118, 155.902 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, 18.118, 155.902**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 43, 18.118, 155.902.



This preview shows how white text looks on a background with the CIELCh color 43, 18.118, 155.902.

# 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, 18.118, 155.902

**Protanopia**  
43, 9.937, 93.302

**Deuteranopia**  
43, 8.571, 49.330





**Tritanopia**  
43, 10.298, 230.465

# Trichromacy



**Original Color**  
43, 18.118, 155.902

**Protanomaly**  
43, 11.317, 126.340

**Deuteranomaly**  
43, 7.202, 112.534

**Tritanomaly**  
43, 10.444, 194.857

# Monochromacy



**Original Color**  
43, 18.118, 155.902

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
42, 6.574, 158.580

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 18.118, 155.902 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(76, 109, 89)` looks like.

```
.text, #text, p{  
    color:rgb(76, 109, 89)  
}
```

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(76, 109, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 109, 89) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 18.118, 155.902 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(76, 109, 89) }
```

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

```
.border{ border-color:rgb(76, 109, 89) }
```

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

Here you see how a box with a 4 pixel rgb(76, 109, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 109, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 109, 89);  
box-shadow:4px 4px 4px 4px rgb(76, 109,  
89) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 18.118, 155.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 109, 89) }
```

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

```
.background{ background-color: rgb(76, 109,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor