

# Converting Colors

CIELCh(47, 15.886, 143.993)

Have a look what the booklet for  
CIELCh(47, 15.886, 143.993)  
contains.

<b>CIELCh(47, 15.912, 143.320)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	21
<i><b>Color Blindness Simulation</b></i>	24
<i><b>CSS Examples</b></i>	27

# Color

**CIELCh(47, 15.912, 143.320)**

# Conversions

Conversions Part 1	
Format	Color
Hex	5F755F
RGB	95, 117, 95
RGB Percent	37%, 46%, 37%
CMY	0.6270, 0.5407, 0.6270
CMYK	0.19, 0.00, 0.19, 0.54
HSL	120°, 10%, 42%
HSV	120°, 19%, 46%
XYZ	13.1787, 16.0195, 13.2525
YIQ	107.9140, -6.0500, -11.5060

# Conversions

## Conversions Part 2

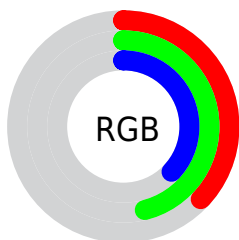
Format	Color
<a href="#">RYB</a>	<a href="#">95, 117, 117</a>
Decimal	<a href="#">6255967</a>
CIELab	<a href="#">47.00, -12.76, 9.50</a>
CIELCh	<a href="#">47, 15.912, 143.320</a>
Yxy	<a href="#">16.0195, 0.3104, 0.3774</a>
Android (android.graphics.Color)	<a href="#">4284446047</a> (0xFF5F755F)
YUV	<a href="#">107.9140, -6.3666, -11.3256</a>
Hunter-Lab	<a href="#">40.0243, -11.2682, 8.3854</a>

# Details

The CIELCh color  $47, 15.912, 143.320$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $43, 15.926, 325.409$ , and the grayscale version is  $46, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 15.991, 142.532$ , and  $27, 16.120, 143.880$  is the 20% darker color. If you saturate the color by 10%, you get  $46, 24.397, 142.568$ , and if you desaturate by 10%, it is  $48, 7.407, 143.976$ .

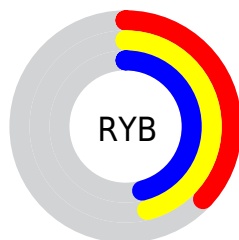
# Distribution



Red (37%)

Green (46%)

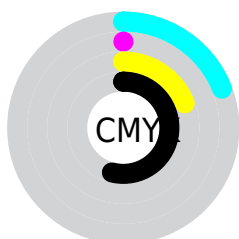
Blue (37%)



Red (37%)

Yellow (46%)

Blue (46%)

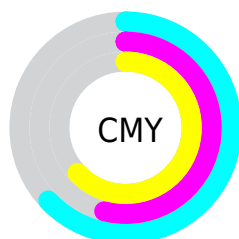


Cyan (19%)

Magenta (0%)

Yellow (19%)

Black (54%)



Cyan (63%)

Magenta (54%)


Yellow (63%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 15.912, 143.320 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 47, 15.912, 143.320 by changing the saturation by 10% instead.





 47, 15.912,  
143.320


 47, 15.912,  
143.320


 100, 15.912,  
143.320


 37, 15.912,  
143.320

 67, 15.912,  
143.320


 27, 15.912,  
143.320

 77, 15.912,  
143.320

 17, 15.912,  
143.320


 87, 15.912,  
143.320

 7, 15.912, 143.320

 97, 15.912,  
143.320

 0, 15.912, 143.320

 47, 15.912,


 47, 15.912,

143.320

143.320

 46, 24.397,  
142.568

 48, 7.407, 143.976


 45, 32.719,  
141.706

 49, 1.020, 324.331


 44, 40.701,  
140.736


 51, 9.292, 324.951


 44, 48.120,  
139.682

 52, 17.363,  
325.359

 43, 54.708,  
138.598


 54, 25.201,  
325.701

 43, 60.159,  
137.576

 56, 32.792,  
325.993

 43, 64.172,  
136.744

 57, 40.132,  
326.243

 42, 67.058,  
136.098

 59, 47.222,  
326.457

 61, 54.070,

 42, 67.416, 326.643  
136.016

# Harmonies

# Complementary

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



47, 15.912, 143.320



43, 15.926, 325.409

# Rectangle

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



47, 15.912, 143.320



47, 15.912, 193.320



47, 15.912, 323.320



47, 15.912, 13.320

# Sweetspot

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



47, 15.913, 143.320



62, 6.280, 144.140



49, 12.627, 107.758



32, 4.143, 144.111



82, 0.010, 296.813



33, 0.005, 296.813





# Same Dimension

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



47, 15.913, 143.320



60, 24.266, 142.972



47, 11.175, 161.247



24, 4.750, 143.961



44, 69.576, 136.016



86, 117.958, 136.016



# Inverse Universe

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



43, 15.926, 325.409



54, 24.279, 325.659



43, 11.409, 344.274



23, 4.757, 324.889



28, 67.130, 328.231

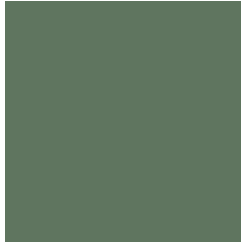


59, 113.811, 328.231



# Previews

## White Background



This preview shows how the CIELCh color 47, 15.912, 143.320 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 47, 15.912, 143.320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

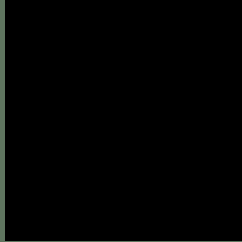
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 47, 15.912, 143.320**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 47, 15.912, 143.320.



This preview shows how white text looks on a background with the CIELCh color 47, 15.912, 143.320.

# 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

47, 15.912, 143.320

### Protanopia

47, 11.485, 95.464

### Deuteranopia

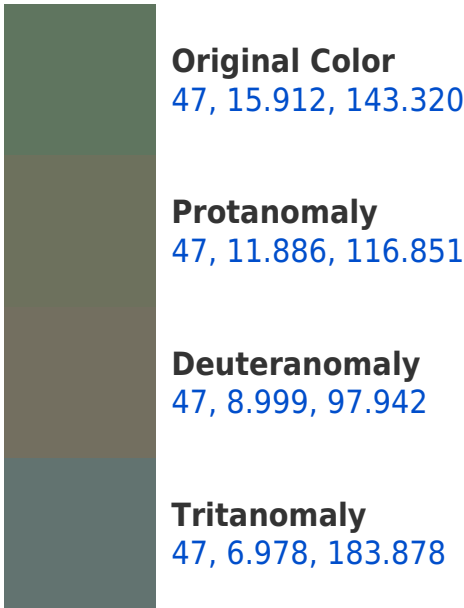
47, 10.563, 53.942



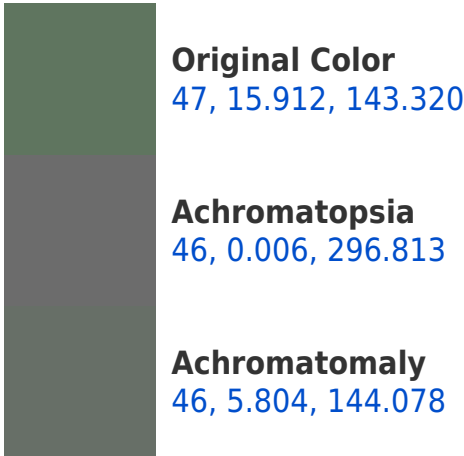


**Tritanopia**  
47, 7.182, 247.150

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 15.912, 143.320 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(95, 117, 95)` looks like.

```
.text, #text, p{  
    color:rgb(95, 117, 95)  
}
```

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(95, 117, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 117, 95) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 15.912, 143.320 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(95, 117, 95) }
```

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

```
.border{ border-color:rgb(95, 117, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 117, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 117, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 117, 95);  
box-shadow:4px 4px 4px 4px rgb(95, 117,  
95) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 15.912, 143.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 117, 95) }
```

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

```
.background{ background-color: rgb(95, 117,  
95) }
```

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