

Converting Colors

CIELCh(47, 12.551, 211.228)

Have a look what the booklet for
CIELCh(47, 12.551, 211.228)
contains.

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Color

CIELCh(47, 12.649, 211.760)

Conversions

Conversions Part 1

Format	Color
Hex	53757A
RGB	83, 117, 122
RGB Percent	33%, 46%, 48%
CMY	0.6738, 0.5405, 0.5209
CMYK	0.32, 0.04, 0.00, 0.52
HSL	188°, 19%, 40%
HSV	188°, 32%, 48%
XYZ	13.4876, 16.0195, 20.8505
YIQ	107.4040, -21.8690, -5.6530

Conversions

Conversions Part 2

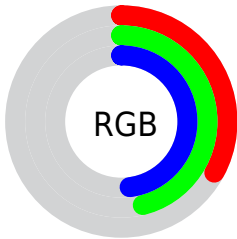
Format	Color
R_{YB}	83, 101, 122
Decimal	5469562
CIE Lab	47.00, -10.75, -6.66
CIE LCh	47, 12.649, 211.760
Yxy	16.0195, 0.2678, 0.3181
Android (android.graphics.Color)	4283659642 (0xFF53757A)
YUV	107.4040, 7.1958, -21.4023
Hunter-Lab	40.0243, -9.8906, -2.8699

Details

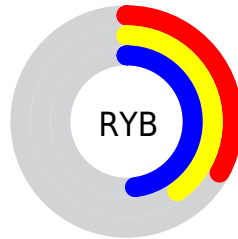
The CIELCh color **47, 12.649, 211.760** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 15.728, 32.377**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 12.551, 211.228**, and **27, 12.738, 209.442** is the 20% darker color. If you saturate the color by 10%, you get **46, 15.935, 212.097**, and if you desaturate by 10%, it is **48, 8.995, 211.575**.

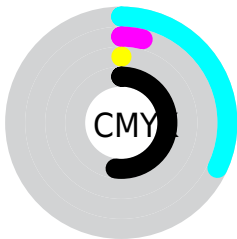
Distribution



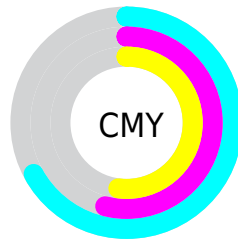
- Red (33%)
- Green (46%)
- Blue (48%)



- Red (33%)
- Yellow (40%)
- Blue (48%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (52%)




- Cyan (67%)
- Magenta (54%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.649, 211.760 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, 12.649, 211.760 by changing the saturation by 10% instead.


 47, 12.649,
211.760


 47, 12.649,
211.760


 100, 12.649,
211.760


 37, 12.649,
211.760

 67, 12.649,
211.760


 27, 12.649,
211.760

 77, 12.649,
211.760

 17, 12.649,
211.760

 87, 12.649,
211.760

 7, 12.649, 211.760

 97, 12.649,
211.760

 0, 12.649, 211.760

 47, 12.649,

 47, 12.649,

211.760

■ 46, 15.935,
212.097

■ 45, 18.789,
212.630

■ 44, 21.155,
213.395

■ 43, 22.994,
214.436

■ 42, 24.290,
215.801

■ 41, 25.063,
217.535

■ 41, 25.509,
219.062

211.760

■ 48, 8.995, 211.575

■ 50, 5.036, 211.540

■ 51, 0.833, 211.956

■ 53, 3.560, 31.490

■ 54, 8.095, 31.716

■ 56, 12.732, 31.945

■ 57, 17.440, 32.197

■ 59, 22.191, 32.470

■ 61, 26.965, 32.757

Harmonies

Complementary

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



47, 12.649, 211.760



41, 15.728, 32.377

Rectangle

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



47, 12.649, 211.760



47, 12.649, 261.760



47, 12.649, 31.760



47, 12.649, 81.760

Sweetspot

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



47, 12.649, 211.756



63, 5.238, 211.550



48, 25.820, 145.550



32, 3.543, 211.543



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 12.649, 211.756



59, 18.074, 211.975



41, 15.354, 271.764



25, 2.400, 211.562



42, 25.920, 219.122



81, 43.502, 220.523

Inverse Universe

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



41, 25.650, 329.965



50, 37.528, 330.375



46, 15.778, 82.922



24, 4.514, 328.625



28, 61.824, 333.875



58, 103.535, 334.223

Previews

White Background



This preview shows how the CIELCh color 47, 12.649, 211.760 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 47, 12.649, 211.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

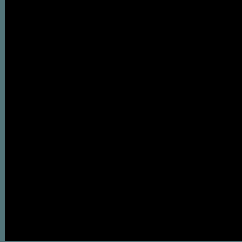
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.649, 211.760

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.649, 211.760.



This preview shows how white text looks on a background with the CIELCh color 47, 12.649, 211.760.

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, 12.649, 211.760

Protanopia

47, 4.768, 295.604

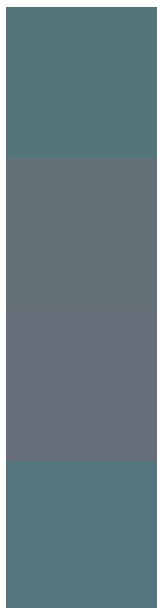
Deuteranopia

47, 10.041, 309.620



Tritanopia
47, 12.834, 222.944

Trichromacy



Original Color
47, 12.649, 211.760

Protanomaly
47, 6.132, 241.721

Deuteranomaly
47, 7.543, 270.284

Tritanomaly
47, 12.669, 220.327

Monochromacy



Original Color
47, 12.649, 211.760

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.849, 213.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.649, 211.760 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(83, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(83, 117, 122)  
}
```

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(83, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 117, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.649, 211.760 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(83, 117, 122) }
```

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

```
.border{ border-color:rgb(83, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(83, 117,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.649, 211.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 117, 122) }
```

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

```
.background{ background-color: rgb(83, 117,  
122) }
```

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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