

Converting Colors

CIELCh(47, 16.851, 203.760)

Have a look what the booklet for
CIELCh(47, 16.851, 203.760)
contains.

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Color

CIELCh(47, 16.846, 203.746)

Conversions

Conversions Part 1

Format	Color
Hex	47777A
RGB	71, 119, 122
RGB Percent	28%, 47%, 48%
CMY	0.7205, 0.5323, 0.5205
CMYK	0.42, 0.02, 0.00, 0.52
HSL	184°, 26%, 38%
HSV	184°, 42%, 48%
XYZ	12.7767, 16.0195, 20.9188
YIQ	104.9900, -29.5710, -9.2430

Conversions

Conversions Part 2

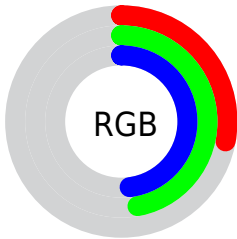
Format	Color
R _Y B	71, 96, 122
Decimal	4683642
CIE Lab	47.00, -15.42, -6.78
CIE LCh	47, 16.846, 203.746
Yxy	16.0195, 0.2570, 0.3222
Android (android.graphics.Color)	4282873722 (0xFF47777A)
YUV	104.9900, 8.3859, -29.8092
Hunter-Lab	40.0243, -13.0610, -2.9710

Details

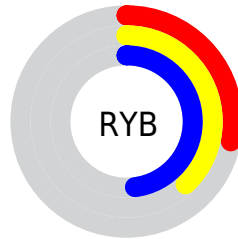
The CIELCh color **47, 16.846, 203.746** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 22.569, 27.470**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 16.868, 203.728**, and **27, 16.746, 203.686** is the 20% darker color. If you saturate the color by 10%, you get **46, 19.877, 203.765**, and if you desaturate by 10%, it is **48, 13.354, 203.833**.

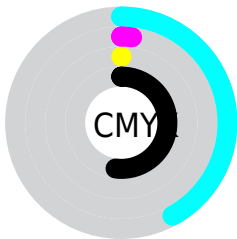
Distribution



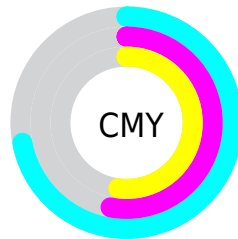
- Red (28%)
- Green (47%)
- Blue (48%)



- Red (28%)
- Yellow (38%)
- Blue (48%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)





- Cyan (72%)
- Magenta (53%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.846, 203.746 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, 16.846, 203.746 by changing the saturation by 10% instead.


 47, 16.846,
203.746


 47, 16.846,
203.746


 100, 16.846,
203.746


 37, 16.846,
203.746

 67, 16.846,
203.746


 27, 16.846,
203.746

 77, 16.846,
203.746

 17, 16.846,
203.746


 87, 16.846,
203.746

 7, 16.846, 203.746

 97, 16.846,
203.746

 0, 16.846, 203.746

 47, 16.846,

 47, 16.846,

203.746

■ 46, 19.877,
203.765

■ 46, 22.388,
203.914

■ 45, 24.341,
204.210

■ 44, 25.719,
204.669

■ 44, 26.539,
205.306

■ 44, 27.004,
205.900

203.746

■ 48, 13.354,
203.833

■ 49, 9.468, 204.021

■ 50, 5.257, 204.305

■ 51, 0.786, 205.037

■ 52, 3.883, 24.806

■ 54, 8.698, 25.259

■ 55, 13.614, 25.701

■ 57, 18.594, 26.153

■ 58, 23.610, 26.614

Harmonies

Complementary

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



47, 16.846, 203.746



37, 22.569, 27.470

Rectangle

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



47, 16.846, 203.746



47, 16.846, 253.746



47, 16.846, 23.746



47, 16.846, 73.746

Sweetspot

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



47, 16.846, 203.743



63, 7.171, 204.252



47, 35.157, 142.733



32, 4.965, 204.195



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, 16.846, 203.743



59, 23.783, 203.761



39, 18.538, 267.585



25, 2.547, 204.403



45, 27.424, 205.923



86, 46.005, 206.480

Inverse Universe

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



38, 34.881, 328.291



46, 50.812, 328.767



44, 20.047, 75.422



24, 4.737, 326.521



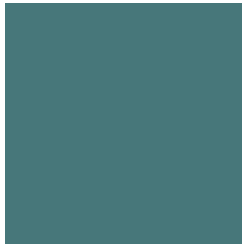
29, 65.160, 330.632



59, 109.424, 330.769

Previews

White Background



This preview shows how the CIELCh color 47, 16.846, 203.746 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, 16.846, 203.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

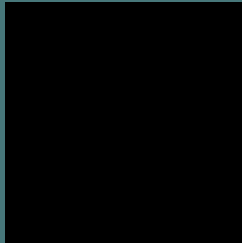
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

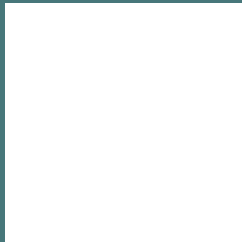
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 16.846, 203.746

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.846, 203.746.



This preview shows how white text looks on a background with the CIELCh color 47, 16.846, 203.746.

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, 16.846, 203.746

Protanopia

47, 4.178, 296.221

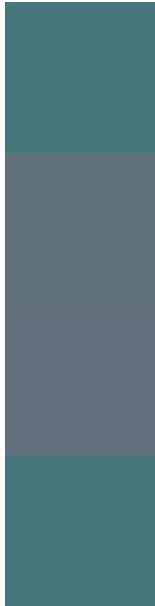
Deuteranopia

47, 10.493, 306.584



Tritanopia
47, 16.334, 219.330

Trichromacy



Original Color
47, 16.846, 203.746

Protanomaly
47, 7.005, 229.488

Deuteranomaly
47, 8.526, 255.946

Tritanomaly
47, 16.400, 214.753

Monochromacy



Original Color
47, 16.846, 203.746

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.665, 203.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.846, 203.746 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(71, 119, 122)` looks like.

```
.text, #text, p{  
    color:rgb(71, 119, 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(71, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 119, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.846, 203.746 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(71, 119, 122) }
```

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

```
.border{ border-color:rgb(71, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 119, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 119, 122); box-shadow:4px 4px 4px 4px rgb(71, 119, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.846, 203.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 119, 122) }
```

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

```
.background{ background-color: rgb(71, 119,  
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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