

Converting Colors

CIELCh(47, 15.314, 195.518)

Have a look what the booklet for
CIELCh(47, 15.314, 195.518)
contains.

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Color

CIELCh(47, 15.314, 195.518)

Conversions

Conversions Part 1

Format	Color
Hex	4D7776
RGB	77, 119, 118
RGB Percent	30%, 47%, 46%
CMY	0.6988, 0.5341, 0.5380
CMYK	0.35, 0.00, 0.01, 0.53
HSL	179°, 21%, 38%
HSV	179°, 35%, 47%
XYZ	12.8764, 16.0195, 19.4916
YIQ	106.3280, -24.7110, -9.2150

Conversions

Conversions Part 2

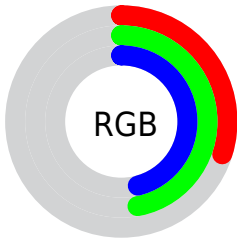
Format	Color
RYB	77, 98, 119
Decimal	5076854
CIELab	47.00, -14.76, -4.10
CIELCh	47, 15.314, 195.518
Yxy	16.0195, 0.2661, 0.3311
Android (android.graphics.Color)	4283266934 (0xFF4D7776)
YUV	106.3280, 5.7543, -25.7207
Hunter-Lab	40.0243, -12.6167, -0.8569

Details

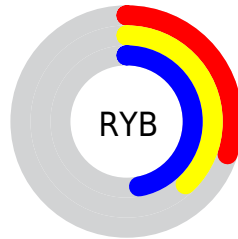
The CIELCh color **47, 15.314, 195.518** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 19.143, 20.593**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 15.165, 196.051**, and **27, 15.129, 197.068** is the 20% darker color. If you saturate the color by 10%, you get **46, 18.839, 195.031**, and if you desaturate by 10%, it is **48, 11.374, 196.035**.

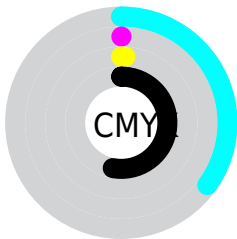
Distribution



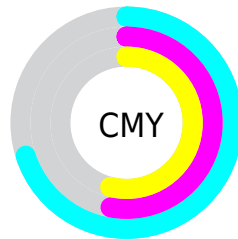
- Red (30%)
- Green (47%)
- Blue (46%)



- Red (30%)
- Yellow (38%)
- Blue (47%)



- Cyan (35%)
- Magenta (0%)
- Yellow (1%)
- Black (53%)





- Cyan (70%)
- Magenta (53%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 15.314, 195.518 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, 15.314, 195.518 by changing the saturation by 10% instead.


 47, 15.314,
195.518


 47, 15.314,
195.518


 100, 15.314,
195.518


 37, 15.314,
195.518

 67, 15.314,
195.518


 27, 15.314,
195.518

 77, 15.314,
195.518


 17, 15.314,
195.518


 87, 15.314,
195.518

 7, 15.314, 195.518

 97, 15.314,
195.518

 0, 15.314, 195.518

 47, 15.314,

 47, 15.314,

195.518

■ 46, 18.839,
195.031

■ 46, 21.884,
194.583

■ 46, 24.398,
194.170

■ 45, 26.350,
193.786

■ 45, 27.738,
193.427

■ 45, 28.628,
193.084

■ 45, 29.000,
192.930

195.518

■ 48, 11.374,
196.035

■ 49, 7.089, 196.596

■ 49, 2.528, 197.259

■ 50, 2.240, 17.532

■ 52, 7.159, 18.252

■ 53, 12.177, 18.889

■ 54, 17.253, 19.521

■ 55, 22.352, 20.151

■ 57, 27.449, 20.777

Harmonies

Complementary

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



47, 15.314, 195.518



37, 19.143, 20.593

Rectangle

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



47, 15.314, 195.518



47, 15.314, 245.518



47, 15.314, 15.518



47, 15.314, 65.518

Sweetspot

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



47, 15.314, 195.515



63, 6.398, 196.843



46, 29.921, 141.243



33, 4.321, 196.777



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, 15.314, 195.515



60, 21.978, 195.138



41, 14.069, 257.070



24, 2.612, 196.988



46, 29.628, 192.919



89, 50.284, 192.731

Inverse Universe

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



37, 19.143, 20.593



46, 29.046, 21.730



43, 15.779, 67.732



23, 2.750, 17.931



24, 58.376, 37.051



52, 102.046, 39.331

Previews

White Background



This preview shows how the CIELCh color 47, 15.314, 195.518 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, 15.314, 195.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

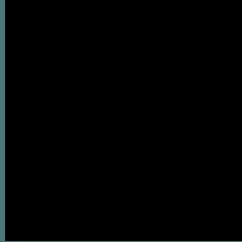
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 15.314, 195.518

Background



This preview shows how black text looks on a background with the CIELCh color 47, 15.314, 195.518.



This preview shows how white text looks on a background with the CIELCh color 47, 15.314, 195.518.

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, 15.314, 195.518

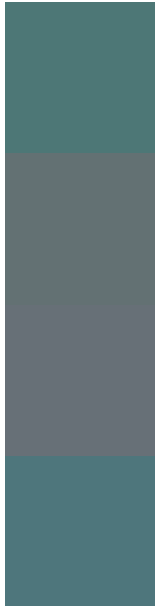
Protanopia
47, 1.968, 314.715

Deuteranopia
47, 8.196, 320.213



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 15.314, 195.518

Protanomaly
47, 5.576, 211.181

Deuteranomaly
47, 5.363, 250.007

Tritanomaly
47, 14.547, 212.194

Monochromacy



Original Color
47, 15.314, 195.518

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.359, 193.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 15.314, 195.518 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(77, 119, 118)` looks like.

```
.text, #text, p{  
    color:rgb(77, 119, 118)  
}
```

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(77, 119, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 119, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 15.314, 195.518 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(77, 119, 118) }
```

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

```
.border{ border-color:rgb(77, 119, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 119, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 119, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 119, 118);  
box-shadow:4px 4px 4px 4px rgb(77, 119,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 15.314, 195.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 119, 118) }
```

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

```
.background{ background-color: rgb(77, 119,  
118) }
```

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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