

Converting Colors

CIELCh(47, 16.541, 214.334)

Have a look what the booklet for
CIELCh(47, 16.541, 214.334)
contains.

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Color

CIELCh(47, 16.672, 214.425)

Conversions

Conversions Part 1

Format	Color
Hex	48777F
RGB	72, 119, 127
RGB Percent	28%, 47%, 50%
CMY	0.7187, 0.5344, 0.5031
CMYK	0.43, 0.06, 0.00, 0.50
HSL	189°, 28%, 39%
HSV	189°, 43%, 50%
XYZ	13.0279, 16.0195, 22.3883
YIQ	105.8590, -30.5800, -7.4760

Conversions

Conversions Part 2

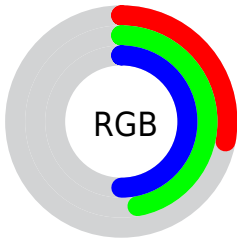
Format	Color
R_{YB}	72, 97, 127
Decimal	4749183
CIE _{Lab}	47.00, -13.75, -9.43
CIE _{LCh}	47, 16.672, 214.425
Yxy	16.0195, 0.2533, 0.3114
Android (android.graphics.Color)	4282939263 (0xFF48777F)
YUV	105.8590, 10.4225, -29.6943
Hunter-Lab	40.0243, -11.9408, -5.1479

Details

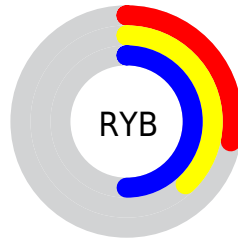
The CIELCh color **47, 16.672, 214.425** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 22.768, 34.613**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 16.533, 215.809**, and **27, 16.508, 215.762** is the 20% darker color. If you saturate the color by 10%, you get **46, 19.509, 215.135**, and if you desaturate by 10%, it is **48, 13.387, 213.931**.

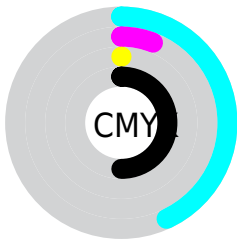
Distribution



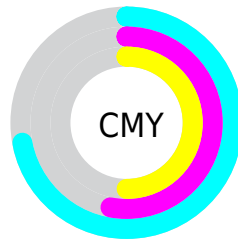
- Red (28%)
- Green (47%)
- Blue (50%)



- Red (28%)
- Yellow (38%)
- Blue (50%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)





- Cyan (72%)
- Magenta (53%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.672, 214.425 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, 16.672, 214.425 by changing the saturation by 10% instead.


 47, 16.672,
214.425


 47, 16.672,
214.425


 100, 16.672,
214.425


 37, 16.672,
214.425

 67, 16.672,
214.425


 27, 16.672,
214.425

 77, 16.672,
214.425

 17, 16.672,
214.425


 87, 16.672,
214.425

 7, 16.672, 214.425

 97, 16.672,
214.425

 0, 16.672, 214.425

 47, 16.672,

 47, 16.672,

214.425

214.425

■ 46, 19.509,
215.135

■ 48, 13.387,
213.931

■ 45, 21.845,
216.118

■ 50, 9.720, 213.624

■ 44, 23.643,
217.423

■ 51, 5.734, 213.477

■ 53, 1.492, 213.611

■ 43, 24.893,
219.107

■ 54, 2.951, 33.239

■ 42, 25.629,
221.218

■ 56, 7.545, 33.416

■ 58, 12.250, 33.585

■ 42, 26.012,
222.693

■ 59, 17.031, 33.781

■ 61, 21.862, 34.002

Harmonies

Complementary

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



47, 16.672, 214.425



39, 22.768, 34.613

Rectangle

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



47, 16.672, 214.425



47, 16.672, 264.425



47, 16.672, 34.425



47, 16.672, 84.425

Sweetspot

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



47, 16.672, 214.422



66, 6.930, 213.477



48, 35.490, 144.935



34, 4.861, 213.492



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 16.672, 214.422



59, 23.681, 215.123



39, 22.085, 275.594



26, 2.451, 213.470



42, 26.127, 222.711



0, 0.000, 0.000

Inverse Universe

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



39, 35.167, 331.248



47, 51.564, 331.845



46, 22.673, 82.849



25, 4.615, 329.184



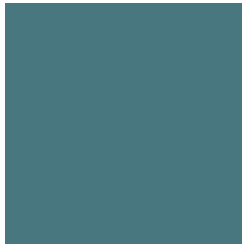
29, 61.911, 334.771



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 16.672, 214.425 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, 16.672, 214.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

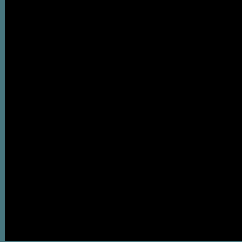
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.672, 214.425

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.672, 214.425.



This preview shows how white text looks on a background with the CIELCh color 47, 16.672, 214.425.

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, 16.672, 214.425

Protanopia
47, 6.523, 291.072

Deuteranopia
47, 12.648, 300.541



Tritanopia
47, 16.757, 216.501

Trichromacy



Original Color
47, 16.672, 214.425

Protanomaly
47, 8.589, 242.748

Deuteranomaly
47, 10.667, 262.303

Tritanomaly
47, 16.757, 216.501

Monochromacy



Original Color
47, 16.672, 214.425

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.785, 214.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.672, 214.425 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(72, 119, 127)` looks like.

```
.text, #text, p{  
    color:rgb(72, 119, 127)  
}
```

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(72, 119, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 119, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.672, 214.425 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(72, 119, 127) }
```

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

```
.border{ border-color:rgb(72, 119, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 119, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 119, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 119, 127);  
box-shadow:4px 4px 4px 4px rgb(72, 119,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.672, 214.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 119, 127) }
```

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

```
.background{ background-color: rgb(72, 119,  
127) }
```

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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