

Converting Colors

CIELCh(47, 17.366, 247.639)

Have a look what the booklet for
CIELCh(47, 17.366, 247.639)
contains.

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Color

CIELCh(47, 17.388, 247.423)

Conversions

Conversions Part 1

Format	Color
Hex	50748A
RGB	80, 116, 138
RGB Percent	31%, 45%, 54%
CMY	0.6864, 0.5452, 0.4590
CMYK	0.42, 0.16, 0.00, 0.46
HSL	203°, 27%, 43%
HSV	203°, 42%, 54%
XYZ	14.1305, 16.0195, 26.3767
YIQ	107.7440, -28.5180, -0.7900

Conversions

Conversions Part 2

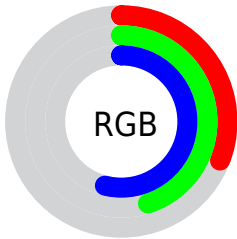
Format	Color
R _Y B	80, 102, 138
Decimal	5272714
CIE Lab	47.00, -6.68, -16.06
CIE LCh	47, 17.388, 247.423
Yxy	16.0195, 0.2500, 0.2834
Android (android.graphics.Color)	4283462794 (0xFF50748A)
YUV	107.7440, 14.9162, -24.3315
Hunter-Lab	40.0243, -7.0236, -11.0561

Details

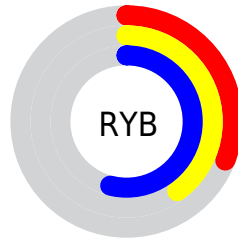
The CIELCh color $47, 17.388, 247.423$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $46, 21.393, 57.674$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.152, 246.845$, and $27, 17.404, 247.092$ is the 20% darker color. If you saturate the color by 10%, you get $45, 20.981, 249.751$, and if you desaturate by 10%, it is $49, 13.551, 245.510$.

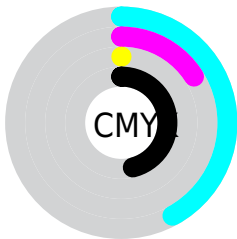
Distribution



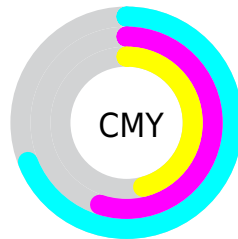
- Red (31%)
- Green (45%)
- Blue (54%)



- Red (31%)
- Yellow (40%)
- Blue (54%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (46%)




- Cyan (69%)
- Magenta (55%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 17.388, 247.423 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, 17.388, 247.423 by changing the saturation by 10% instead.


 47, 17.388,
247.423


 47, 17.388,
247.423


 100, 17.388,
247.423


 37, 17.388,
247.423

 67, 17.388,
247.423


 27, 17.388,
247.423

 77, 17.388,
247.423

 17, 17.388,
247.423

 87, 17.388,
247.423

 7, 17.388, 247.423

 97, 17.388,
247.423

 0, 17.388, 247.423

 47, 17.388,

 47, 17.388,

247.423

247.423

■ 45, 20.981,
249.751

■ 49, 13.551,
245.510

■ 42, 24.315,
252.574

■ 52, 9.503, 243.950

■ 40, 27.394,
255.950

■ 54, 5.277, 242.691

■ 57, 0.909, 241.947

■ 38, 30.256,
259.911

■ 60, 3.569, 60.587

■ 36, 32.979,
264.420

■ 62, 8.128, 59.911

■ 65, 12.743, 59.314

■ 35, 35.183,
268.054

■ 67, 17.395, 58.805

■ 70, 22.066, 58.370

Harmonies

Complementary

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



47, 17.388, 247.423



46, 21.393, 57.674

Rectangle

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



47, 17.388, 247.423



47, 17.388, 297.423



47, 17.388, 67.423



47, 17.388, 117.423

Sweetspot

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



47, 17.387, 247.421



69, 7.019, 242.831



53, 30.908, 153.383



35, 4.877, 243.062



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 17.387, 247.421



58, 24.943, 249.506



39, 30.829, 290.135



28, 2.481, 242.383



33, 34.095, 267.844



1, 1.167, 241.385

Inverse Universe

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



42, 31.278, 341.113



50, 45.357, 342.057



54, 28.628, 99.636



27, 4.167, 338.292



28, 54.580, 350.284



0, 1.918, 337.676

Previews

White Background



This preview shows how the CIELCh color 47, 17.388, 247.423 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, 17.388, 247.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

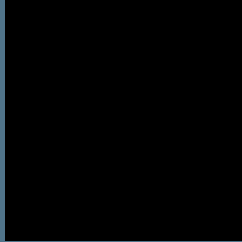
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

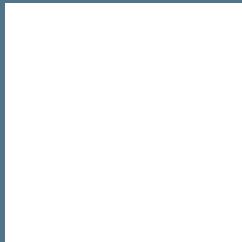
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 17.388, 247.423

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.388, 247.423.



This preview shows how white text looks on a background with the CIELCh color 47, 17.388, 247.423.

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, 17.388, 247.423

Protanopia

47, 14.263, 286.153

Deuteranopia

47, 17.786, 290.227



Tritanopia
47, 15.119, 218.786

Trichromacy



Original Color
47, 17.388, 247.423

Protanomaly
47, 14.477, 270.109

Deuteranomaly
47, 16.660, 273.723

Tritanomaly
47, 15.512, 230.744

Monochromacy



Original Color
47, 17.388, 247.423

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.799, 243.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 17.388, 247.423 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(80, 116, 138)` looks like.

```
.text, #text, p{  
    color:rgb(80, 116, 138)  
}
```

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(80, 116, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 116, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.388, 247.423 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(80, 116, 138) }
```

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

```
.border{ border-color:rgb(80, 116, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 116, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 116, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 116, 138);  
box-shadow:4px 4px 4px 4px rgb(80, 116,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.388, 247.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 116, 138) }
```

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

```
.background{ background-color: rgb(80, 116,  
138) }
```

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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