

Converting Colors

CIELCh(47, 12.130, 172.672)

Have a look what the booklet for
CIELCh(47, 12.130, 172.672)
contains.

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Color

CIELCh(47, 11.970, 171.606)

Conversions

Conversions Part 1

Format	Color
Hex	5A756C
RGB	90, 117, 108
RGB Percent	35%, 46%, 42%
CMY	0.6465, 0.5406, 0.5760
CMYK	0.23, 0.00, 0.08, 0.54
HSL	160°, 13%, 41%
HSV	160°, 23%, 46%
XYZ	13.3197, 16.0195, 16.6141
YIQ	107.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

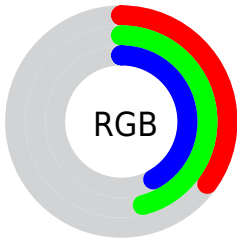
Format	Color
R _Y B	90, 106, 117
Decimal	5928300
CIE _{Lab}	47.00, -11.84, 1.75
CIE _{LCh}	47, 11.970, 171.606
Y _{xy}	16.0195, 0.2899, 0.3486
Android (android.graphics.Color)	4284118380 (0xFF5A756C)
Y _{UV}	107.9010, 0.0488, -15.6992
Hunter-Lab	40.0243, -10.6395, 3.4057

Details

The CIELCh color $47, 11.970, 171.606$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 12.665, 355.916$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 11.864, 170.633$, and $27, 12.186, 172.083$ is the 20% darker color. If you saturate the color by 10%, you get $46, 16.936, 170.556$, and if you desaturate by 10%, it is $48, 6.838, 172.581$.

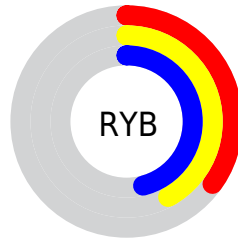
Distribution



Red (35%)

Green (46%)

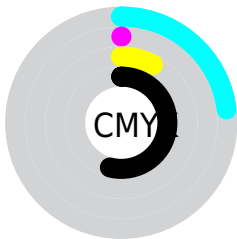
Blue (42%)



Red (35%)

Yellow (42%)

Blue (46%)

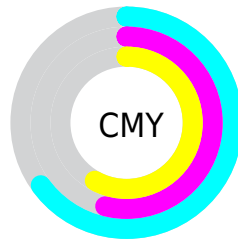


Cyan (23%)

Magenta (0%)

Yellow (8%)

Black (54%)



Cyan (65%)

Magenta (54%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 11.970, 171.606 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, 11.970, 171.606 by changing the saturation by 10% instead.

 47, 11.970,
171.606

 47, 11.970,
171.606

 100, 11.970,
171.606


 37, 11.970,
171.606

 67, 11.970,
171.606


 27, 11.970,
171.606

 77, 11.970,
171.606

 17, 11.970,
171.606


 87, 11.970,
171.606

 7, 11.970, 171.606

 97, 11.970,
171.606

 0, 11.970, 171.606

 47, 11.970,

 47, 11.970,

171.606

171.606

■ 46, 16.936,
170.556

■ 48, 6.838, 172.581

■ 45, 21.656,
169.414

■ 49, 1.605, 173.622

■ 50, 3.666, 354.173

■ 45, 26.049,
168.157

■ 51, 8.930, 355.008

■ 44, 30.041,
166.763

■ 53, 14.148,
355.764

■ 44, 33.570,
165.210

■ 54, 19.293,
356.476

■ 44, 36.597,
163.480

■ 55, 24.345,
357.154

■ 43, 39.130,
161.568

■ 57, 29.292,
357.801

■ 43, 40.787,
160.277

■ 58, 34.125,
358.422

Harmonies

Complementary

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



47, 11.970, 171.606



41, 12.665, 355.916

Rectangle

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



47, 11.970, 171.606



47, 11.970, 221.606



47, 11.970, 351.606



47, 11.970, 41.606

Sweetspot

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



47, 11.971, 171.603



62, 4.576, 173.149



47, 17.522, 133.150



32, 2.955, 173.110



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 11.971, 171.603



60, 17.968, 171.020



46, 8.965, 214.163



24, 2.957, 172.967



45, 42.169, 160.165



88, 73.084, 158.849

Inverse Universe

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



41, 12.665, 355.916



51, 19.288, 356.593



42, 10.415, 34.076



23, 3.024, 354.429



25, 49.795, 15.854



53, 85.544, 19.199

Previews

White Background



This preview shows how the CIELCh color 47, 11.970, 171.606 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, 11.970, 171.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

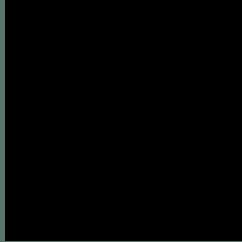
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

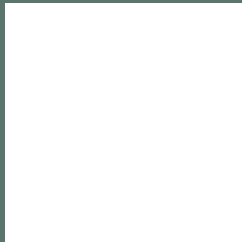
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 11.970, 171.606

Background



This preview shows how black text looks on a background with the CIELCh color 47, 11.970, 171.606.

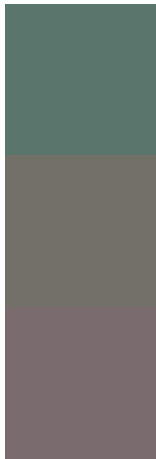


This preview shows how white text looks on a background with the CIELCh color 47, 11.970, 171.606.

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, 11.970, 171.606

Protanopia
47, 3.901, 84.328

Deuteranopia
47, 5.931, 8.633



Tritanopia
47, 9.623, 232.457

Trichromacy



Original Color
47, 11.970, 171.606

Protanomaly
47, 5.058, 144.140

Deuteranomaly
47, 1.250, 129.057

Tritanomaly
47, 9.170, 205.900

Monochromacy



Original Color
47, 11.970, 171.606

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.073, 173.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 11.970, 171.606 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(90, 117, 108)` looks like.

```
.text, #text, p{  
    color:rgb(90, 117, 108)  
}
```

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(90, 117, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 117, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 11.970, 171.606 is called "border". The border property can be set on classes, ids or directly on the HTML element.

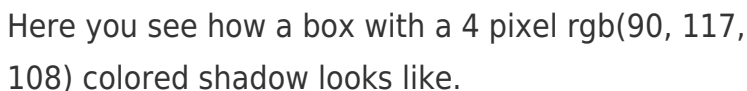
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 117, 108) }
```

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

```
.border{ border-color:rgb(90, 117, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 117, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 117, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 117, 108);  
box-shadow:4px 4px 4px 4px rgb(90, 117,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 11.970, 171.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 117, 108) }
```

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

```
.background{ background-color: rgb(90, 117,  
108) }
```

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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