

Converting Colors

CIELCh(47, 16.006, 274.820)

Have a look what the booklet for
CIELCh(47, 16.006, 274.820)
contains.

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Color

CIELCh(47, 16.012, 274.073)

Conversions

Conversions Part 1

Format	Color
Hex	62708A
RGB	98, 112, 138
RGB Percent	38%, 44%, 54%
CMY	0.6157, 0.5608, 0.4588
CMYK	0.29, 0.19, 0.00, 0.46
HSL	219°, 17%, 46%
HSV	219°, 29%, 54%
XYZ	15.4181, 16.0195, 26.3235
YIQ	110.7780, -16.6900, 5.1180

Conversions

Conversions Part 2

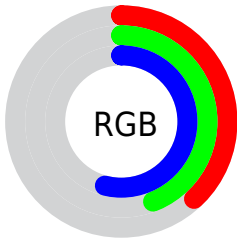
Format	Color
R_{YB}	98, 108, 138
Decimal	6451338
CIE Lab	47.00, 1.14, -15.97
CIE LCh	47, 16.012, 274.073
Yxy	16.0195, 0.2669, 0.2773
Android (android.graphics.Color)	4284641418 (0xFF62708A)
YUV	110.7780, 13.4204, -11.2063
Hunter-Lab	40.0243, -1.2810, -10.9773

Details

The CIELCh color $47, 16.012, 274.073$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 16.208, 86.142$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 15.543, 273.556$, and $27, 16.218, 274.995$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.680, 276.045$, and if you desaturate by 10%, it is $51, 10.420, 272.381$.

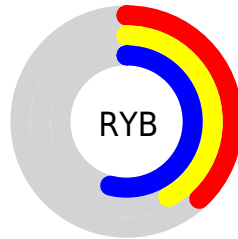
Distribution



Red (38%)

Green (44%)

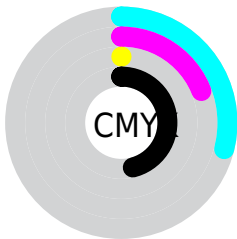
Blue (54%)



Red (38%)

Yellow (42%)

Blue (54%)

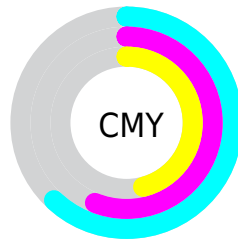


Cyan (29%)

Magenta (19%)

Yellow (0%)

Black (46%)



Cyan (62%)


Magenta (56%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.012, 274.073 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, 16.012, 274.073 by changing the saturation by 10% instead.


 47, 16.012,
274.073


 47, 16.012,
274.073


 100, 16.012,
274.073


 37, 16.012,
274.073

 67, 16.012,
274.073


 27, 16.012,
274.073

 77, 16.012,
274.073

 17, 16.012,
274.073

 87, 16.012,
274.073

 7, 16.012, 274.073

 97, 16.012,
274.073

 0, 16.012, 274.073

 47, 16.012,

 47, 16.012,

274.073

274.073

■ 43, 21.680,
276.045

■ 51, 10.420,
272.381

■ 40, 27.436,
278.342

■ 54, 4.902, 270.943

■ 36, 33.297,
280.993

■ 58, 0.543, 89.292

■ 61, 5.912, 88.524

■ 33, 39.291,
284.005

■ 65, 11.205, 87.588

■ 30, 45.440,
287.344

■ 69, 16.418, 86.759

■ 72, 21.549, 86.024

■ 27, 51.745,
290.909

■ 76, 26.599, 85.371

■ 24, 58.154,
294.400

■ 79, 31.565, 84.785

■ 24, 58.809,
294.720

Harmonies

Complementary

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



47, 16.012, 274.073



53, 16.208, 86.142

Rectangle

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



47, 16.012, 274.073



47, 16.012, 324.073



47, 16.012, 94.073



47, 16.012, 144.073

Sweetspot

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



47, 16.011, 274.071



69, 6.059, 270.971



54, 17.498, 168.777



35, 4.197, 271.141



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, 16.011, 274.071



57, 23.962, 275.373



43, 24.189, 298.033



27, 3.073, 270.965



23, 56.903, 294.572



0, 1.419, 269.772

Inverse Universe

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



46, 18.504, 355.556



56, 27.742, 356.457



56, 22.663, 113.251



27, 3.491, 353.353



27, 52.578, 14.799



0, 1.595, 352.585

Previews

White Background



This preview shows how the CIELCh color 47, 16.012, 274.073 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, 16.012, 274.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

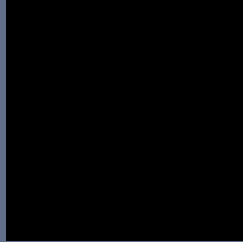
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

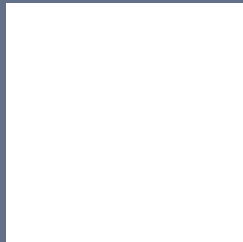
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 16.012, 274.073

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.012, 274.073.



This preview shows how white text looks on a background with the CIELCh color 47, 16.012, 274.073.

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

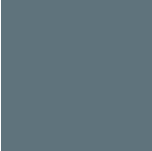
47, 16.012, 274.073

Protanopia

47, 16.054, 285.820

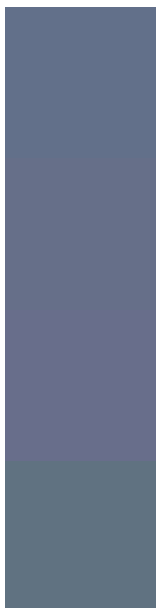
Deuteranopia

47, 17.781, 291.388



Tritanopia
47, 9.048, 234.974

Trichromacy



Original Color
47, 16.012, 274.073

Protanomaly
47, 15.639, 280.237

Deuteranomaly
47, 17.258, 285.291

Tritanomaly
47, 10.891, 253.874

Monochromacy



Original Color
47, 16.012, 274.073

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.196, 272.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.012, 274.073 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(98, 112, 138)` looks like.

```
.text, #text, p{  
    color:rgb(98, 112, 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(98, 112, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 112, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.012, 274.073 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(98, 112, 138) }
```

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

```
.border{ border-color:rgb(98, 112, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 112, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 112, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 112, 138);  
box-shadow:4px 4px 4px 4px rgb(98, 112,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.012, 274.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 112, 138) }
```

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

```
.background{ background-color: rgb(98, 112,  
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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