

Converting Colors

CIELCh(47, 20.066, 301.588)

Have a look what the booklet for
CIELCh(47, 20.066, 301.588)
contains.

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Color

CIELCh(47, 19.854, 301.276)

Conversions

Conversions Part 1

Format	Color
Hex	736B8C
RGB	115, 107, 140
RGB Percent	45%, 42%, 55%
CMY	0.5495, 0.5808, 0.4514
CMYK	0.18, 0.24, 0.00, 0.45
HSL	255°, 13%, 48%
HSV	255°, 24%, 55%
XYZ	17.0265, 16.0195, 26.9606
YIQ	113.1540, -5.8250, 11.9590

Conversions

Conversions Part 2

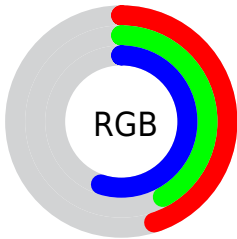
Format	Color
R _Y B	115, 107, 140
Decimal	7564172
CIE Lab	47.00, 10.31, -16.97
CIE LCh	47, 19.854, 301.276
Yxy	16.0195, 0.2837, 0.2670
Android (android.graphics.Color)	4285754252 (0xFF736B8C)
YUV	113.1540, 13.2351, 1.6189
Hunter-Lab	40.0243, 5.8920, -11.9210

Details

The CIELCh color $47, 19.854, 301.276$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 18.930, 118.165$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 20.246, 301.187$, and $27, 19.749, 300.561$ is the 20% darker color. If you saturate the color by 10%, you get $42, 28.776, 302.143$, and if you desaturate by 10%, it is $52, 11.233, 300.507$.

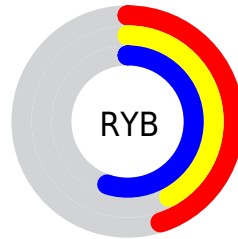
Distribution



Red (45%)

Green (42%)

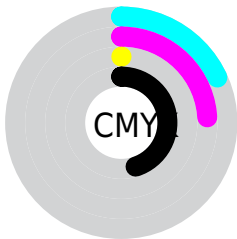
Blue (55%)



Red (45%)

Yellow (42%)

Blue (55%)

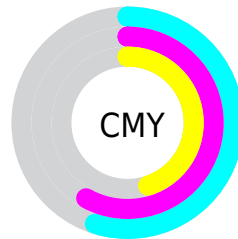


Cyan (18%)

Magenta (24%)

Yellow (0%)

Black (45%)



Cyan (55%)


Magenta (58%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 19.854, 301.276 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, 19.854, 301.276 by changing the saturation by 10% instead.


 47, 19.854,
301.276


 47, 19.854,
301.276


 100, 19.854,
301.276


 37, 19.854,
301.276

 67, 19.854,
301.276


 27, 19.854,
301.276

 77, 19.854,
301.276

 17, 19.854,
301.276


 87, 19.854,
301.276

 7, 19.854, 301.276

 97, 19.854,
301.276

 0, 19.854, 301.276

 47, 19.854,

 47, 19.854,

301.276

■ 42, 28.776,
302.143

■ 38, 37.975,
303.108

■ 33, 47.371,
304.152

■ 29, 56.782,
305.230

■ 24, 65.844,
306.257

■ 21, 73.921,
307.090

■ 18, 80.124,
307.545

■ 17, 83.623,
307.835

301.276

■ 52, 11.233,
300.507

■ 57, 2.917, 299.830

■ 61, 5.105, 119.257

■ 66, 12.847,
118.747

■ 71, 20.325,
118.308

■ 75, 27.556,
117.930

■ 80, 34.554,
117.603

■ 84, 41.335,
117.322

■ 89, 47.913,
117.080

Harmonies

Complementary

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



47, 19.854, 301.276



57, 18.930, 118.165

Rectangle

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



47, 19.854, 301.276



47, 19.854, 351.276



47, 19.854, 121.276



47, 19.854, 171.276

Sweetspot

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



47, 19.853, 301.275



70, 7.065, 300.062



54, 10.142, 224.734



36, 4.631, 300.095



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 19.853, 301.275



57, 29.353, 301.697



49, 21.568, 317.756



27, 4.570, 300.196



15, 80.396, 307.876



0, 2.090, 299.616

Inverse Universe

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



49, 19.583, 333.562



61, 28.699, 333.909



56, 21.248, 135.701



27, 4.594, 332.592



29, 59.329, 340.418



0, 2.118, 332.051

Previews

White Background



This preview shows how the CIELCh color 47, 19.854, 301.276 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, 19.854, 301.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

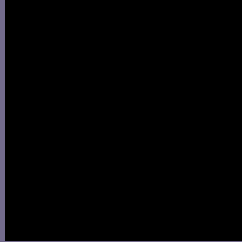
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 19.854, 301.276

Background



This preview shows how black text looks on a background with the CIELCh color 47, 19.854, 301.276.



This preview shows how white text looks on a background with the CIELCh color 47, 19.854, 301.276.

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, 19.854, 301.276

Protanopia

47, 19.044, 285.219

Deuteranopia

47, 17.781, 291.388



Tritanopia
47, 4.739, 290.830

Trichromacy



Original Color
47, 19.854, 301.276

Protanomaly
47, 18.965, 290.541

Deuteranomaly
47, 18.448, 296.042

Tritanomaly
47, 10.116, 295.897

Monochromacy



Original Color
47, 19.854, 301.276

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 7.216, 300.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 19.854, 301.276 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(115, 107, 140)` looks like.

```
.text, #text, p{  
    color:rgb(115, 107, 140)  
}
```

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(115, 107, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 107, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 19.854, 301.276 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(115, 107, 140) }
```

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

```
.border{ border-color:rgb(115, 107, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 107, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 107, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 107, 140);  
box-shadow:4px 4px 4px 4px rgb(115, 107,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 19.854, 301.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 107, 140) }
```

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

```
.background{ background-color: rgb(115,  
107, 140) }
```

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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