

Converting Colors

CIELCh(47, 12.481, 304.655)

Have a look what the booklet for
CIELCh(47, 12.481, 304.655)
contains.

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Color

CIELCh(47, 12.791, 303.959)

Conversions

Conversions Part 1

Format	Color
Hex	736C81
RGB	115, 108, 129
RGB Percent	45%, 42%, 51%
CMY	0.5482, 0.5756, 0.4933
CMYK	0.11, 0.16, 0.00, 0.49
HSL	260°, 9%, 47%
HSV	260°, 16%, 51%
XYZ	16.4598, 16.0195, 23.0689
YIQ	112.4870, -2.5690, 8.0150

Conversions

Conversions Part 2

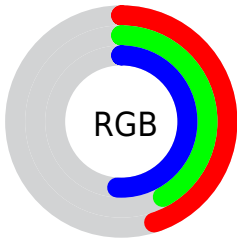
Format	Color
R_{YB}	115, 108, 129
Decimal	7564417
CIE Lab	47.00, 7.15, -10.61
CIE LCh	47, 12.791, 303.959
Yxy	16.0195, 0.2963, 0.2884
Android (android.graphics.Color)	4285754497 (0xFF736C81)
YUV	112.4870, 8.1409, 2.2039
Hunter-Lab	40.0243, 3.3646, -6.1561

Details

The CIELCh color $47, 12.791, 303.959$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 12.428, 122.199$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 13.111, 304.280$, and $27, 12.685, 303.740$ is the 20% darker color. If you saturate the color by 10%, you get $43, 20.996, 304.613$, and if you desaturate by 10%, it is $51, 4.844, 303.368$.

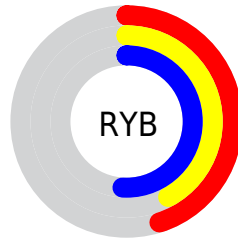
Distribution



Red (45%)

Green (42%)

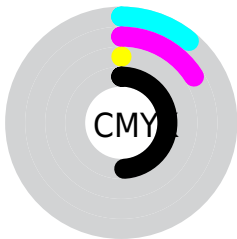
Blue (51%)



Red (45%)

Yellow (42%)

Blue (51%)

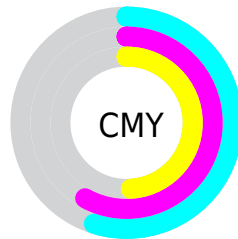


Cyan (11%)

Magenta (16%)

Yellow (0%)

Black (49%)



Cyan (55%)


Magenta (58%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.791, 303.959 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, 12.791, 303.959 by changing the saturation by 10% instead.


 47, 12.791,
303.959


 47, 12.791,
303.959


 100, 12.791,
303.959


 37, 12.791,
303.959

 67, 12.791,
303.959


 27, 12.791,
303.959

 77, 12.791,
303.959

 17, 12.791,
303.959


 87, 12.791,
303.959

 7, 12.791, 303.959

 97, 12.791,
303.959

 0, 12.791, 303.959

 47, 12.791,

 47, 12.791,

303.959

303.959

43, 20.996,
304.613

51, 4.844, 303.368

38, 29.444,
305.336

56, 2.840, 122.878

34, 38.082,
306.115

60, 10.269,
122.415

30, 46.797,
306.923

64, 17.453,
122.020

26, 55.371,
307.710

69, 24.406,
121.678

22, 63.418,
308.389

73, 31.141,
121.382

19, 70.344,
308.832

77, 37.670,
121.126

17, 75.672,
308.967

81, 44.006,
120.907

■ 16, 77.685,
309.081

■ 85, 50.162,
120.719

Harmonies

Complementary

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



47, 12.791, 303.959



53, 12.428, 122.199

Rectangle

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



47, 12.791, 303.959



47, 12.791, 353.959



47, 12.791, 123.959



47, 12.791, 173.959

Sweetspot

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



47, 12.790, 303.957



66, 4.798, 303.304



51, 6.613, 235.064



34, 3.261, 303.337



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, 12.790, 303.957



58, 19.665, 304.225



48, 14.158, 319.998



25, 4.335, 303.529



16, 76.926, 309.094



0, 0.000, 0.000

Inverse Universe

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



48, 11.832, 336.768



60, 18.108, 337.084



52, 14.058, 138.551



25, 4.037, 336.241



27, 54.435, 346.621



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 12.791, 303.959 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, 12.791, 303.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

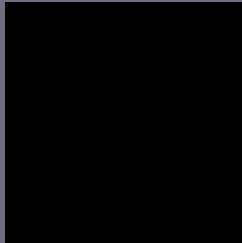
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.791, 303.959

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.791, 303.959.



This preview shows how white text looks on a background with the CIELCh color 47, 12.791, 303.959.

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, 12.791, 303.959

Protanopia

47, 12.452, 288.403

Deuteranopia

47, 12.044, 300.915



Tritanopia
47, 5.484, 303.439

Trichromacy



Original Color
47, 12.791, 303.959

Protanomaly
47, 12.495, 295.338

Deuteranomaly
47, 12.044, 300.915

Tritanomaly
47, 8.562, 304.518

Monochromacy



Original Color
47, 12.791, 303.959

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.901, 304.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.791, 303.959 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, 108, 129)` looks like.

```
.text, #text, p{  
    color:rgb(115, 108, 129)  
}
```

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, 108, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 108, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.791, 303.959 is called "border". The border property can be set on classes, ids or directly on the HTML element.

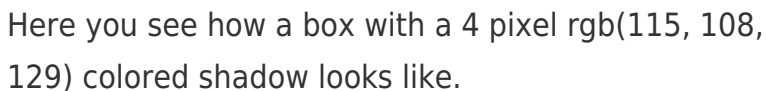
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 108, 129) }
```

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

```
.border{ border-color:rgb(115, 108, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 108, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 108, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 108, 129); box-shadow:4px 4px 4px 4px rgb(115, 108, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.791, 303.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 108, 129) }
```

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

```
.background{ background-color: rgb(115,  
108, 129) }
```

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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