

Converting Colors

CIELCh(47, 18.317, 304.401)

Have a look what the booklet for
CIELCh(47, 18.317, 304.401)
contains.

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Color

CIELCh(47, 18.246, 304.327)

Conversions

Conversions Part 1

Format	Color
Hex	756B89
RGB	117, 107, 137
RGB Percent	46%, 42%, 54%
CMY	0.5423, 0.5814, 0.4639
CMYK	0.15, 0.22, 0.00, 0.46
HSL	260°, 12%, 48%
HSV	260°, 22%, 54%
XYZ	17.0232, 16.0195, 25.7550
YIQ	113.4100, -3.6700, 11.4500

Conversions

Conversions Part 2

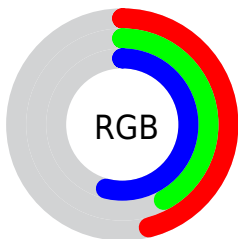
Format	Color
R_{YB}	117, 107, 137
Decimal	7695241
CIE _{Lab}	47.00, 10.29, -15.07
CIE _{LCh}	47, 18.246, 304.327
Yxy	16.0195, 0.2895, 0.2725
Android (android.graphics.Color)	4285885321 (0xFF756B89)
YUV	113.4100, 11.6299, 3.1484
Hunter-Lab	40.0243, 5.8772, -10.1351

Details

The CIELCh color $47, 18.246, 304.327$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 17.541, 121.882$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 18.213, 304.398$, and $27, 17.945, 303.596$ is the 20% darker color. If you saturate the color by 10%, you get $42, 26.991, 305.025$, and if you desaturate by 10%, it is $52, 9.765, 303.696$.

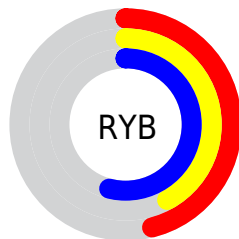
Distribution



Red (46%)

Green (42%)

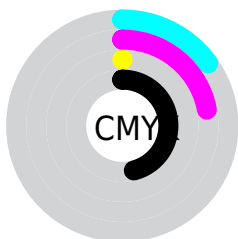
Blue (54%)



Red (46%)

Yellow (42%)

Blue (54%)

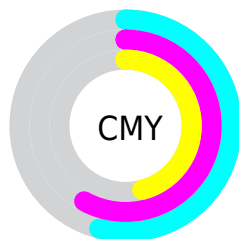


Cyan (15%)

Magenta (22%)

Yellow (0%)

Black (46%)



Cyan (54%)

Magenta (58%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.246, 304.327 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, 18.246, 304.327 by changing the saturation by 10% instead.


 47, 18.246,
304.327


 47, 18.246,
304.327


 100, 18.246,
304.327


 37, 18.246,
304.327

 67, 18.246,
304.327


 27, 18.246,
304.327

 77, 18.246,
304.327

 17, 18.246,
304.327


 87, 18.246,
304.327

 7, 18.246, 304.327

 97, 18.246,
304.327

 0, 18.246, 304.327

 47, 18.246,

 47, 18.246,

304.327

42, 26.991,
305.025

38, 35.965,
305.787

34, 45.080,
306.593

29, 54.155,
307.401

25, 62.863,
308.140

22, 70.663,
308.696

19, 76.814,
308.920

17, 80.976,
309.026

304.327

52, 9.765, 303.696

56, 1.561, 303.115

61, 6.369, 122.662

65, 14.035,
122.231

70, 21.449,
121.858

74, 28.627,
121.535

78, 35.580,
121.257

83, 42.323,
121.017

87, 48.869,

Harmonies

Complementary

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



47, 18.246, 304.327



55, 17.541, 121.882

Rectangle

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



47, 18.246, 304.327



47, 18.246, 354.327



47, 18.246, 124.327



47, 18.246, 174.327

Sweetspot

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



47, 18.245, 304.326



69, 7.068, 303.419



52, 9.225, 235.679



35, 4.578, 303.445



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, 18.245, 304.326



58, 27.093, 304.642



48, 20.075, 320.254



27, 4.624, 303.534



17, 79.174, 309.055



0, 2.116, 303.042

Inverse Universe

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



49, 16.769, 337.201



61, 24.744, 337.565



54, 19.894, 138.234



27, 4.305, 336.247



29, 55.960, 346.711



0, 1.983, 335.658

Previews

White Background



This preview shows how the CIELCh color 47, 18.246, 304.327 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, 18.246, 304.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

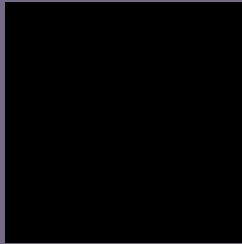
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 18.246, 304.327

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.246, 304.327.



This preview shows how white text looks on a background with the CIELCh color 47, 18.246, 304.327.

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, 18.246, 304.327

Protanopia

47, 17.258, 285.291

Deuteranopia

47, 16.021, 293.645



Tritanopia
47, 5.588, 307.431

Trichromacy



Original Color
47, 18.246, 304.327

Protanomaly
47, 17.193, 292.480

Deuteranomaly
47, 16.712, 297.494

Tritanomaly
47, 9.805, 305.238

Monochromacy



Original Color
47, 18.246, 304.327

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 6.634, 301.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.246, 304.327 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(117, 107, 137)` looks like.

```
.text, #text, p{  
    color:rgb(117, 107, 137)  
}
```

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(117, 107, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 107, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.246, 304.327 is called "border". The border property can be set on classes, ids or directly on the HTML element.

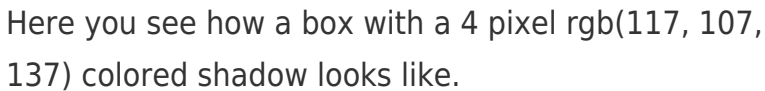
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 107, 137) }
```

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

```
.border{ border-color:rgb(117, 107, 137) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 107, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 107, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 107, 137);  
box-shadow:4px 4px 4px 4px rgb(117, 107,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.246, 304.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 107, 137) }
```

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

```
.background{ background-color: rgb(117,  
107, 137) }
```

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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