

Converting Colors

CIELCh(47, 16.530, 335.038)

Have a look what the booklet for
CIELCh(47, 16.530, 335.038)
contains.

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Color

CIELCh(47, 16.307, 335.128)

Conversions

Conversions Part 1

Format	Color
Hex	83677B
RGB	131, 103, 123
RGB Percent	51%, 40%, 48%
CMY	0.4854, 0.5953, 0.5168
CMYK	0.00, 0.21, 0.06, 0.49
HSL	317°, 12%, 46%
HSV	317°, 21%, 51%
XYZ	17.8527, 16.0195, 20.9596
YIQ	113.6520, 10.2680, 12.1560

Conversions

Conversions Part 2

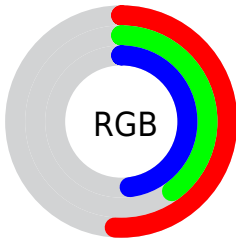
Format	Color
R_{YB}	131, 103, 123
Decimal	8611707
CIE _{Lab}	47.00, 14.79, -6.86
CIE _{LCh}	47, 16.307, 335.128
Yxy	16.0195, 0.3256, 0.2922
Android (android.graphics.Color)	4286801787 (0xFF83677B)
YUV	113.6520, 4.6086, 15.2142
Hunter-Lab	40.0243, 9.5766, -3.0314

Details

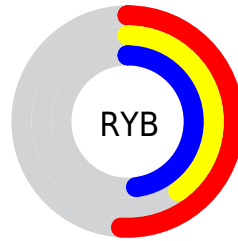
The CIELCh color $47, 16.307, 335.128$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $52, 16.182, 152.189$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.220, 335.390$, and $27, 15.923, 335.456$ is the 20% darker color. If you saturate the color by 10%, you get $44, 23.960, 335.864$, and if you desaturate by 10%, it is $51, 8.620, 334.427$.

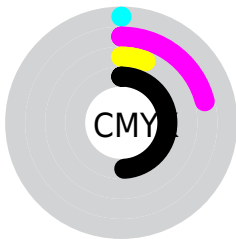
Distribution



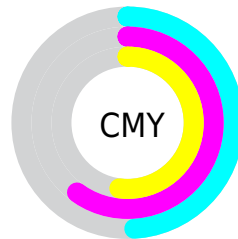
- Red (51%)
- Green (40%)
- Blue (48%)



- Red (51%)
- Yellow (40%)
- Blue (48%)



- Cyan (0%)
- Magenta (21%)
- Yellow (6%)
- Black (49%)





- Cyan (49%)
- Magenta (60%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.307, 335.128 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, 16.307, 335.128 by changing the saturation by 10% instead.


 47, 16.307,
335.128


 47, 16.307,
335.128


 100, 16.307,
335.128


 37, 16.307,
335.128

 67, 16.307,
335.128


 27, 16.307,
335.128

 77, 16.307,
335.128

 17, 16.307,
335.128

 87, 16.307,
335.128

 7, 16.307, 335.128

 97, 16.307,
335.128

 0, 16.307, 335.128

 47, 16.307,

 47, 16.307,

335.128

44, 23.960,
335.864

40, 31.417,
336.644

37, 38.446,
337.482

35, 44.748,
338.397

32, 49.983,
339.419

31, 53.828,
340.590

29, 56.063,
341.967

29, 57.197,
343.277

335.128

51, 8.620, 334.427

54, 1.017, 333.564

58, 6.435, 153.227

62, 13.697,
152.625

66, 20.749,
152.069

70, 27.588,
151.547

74, 34.215,
151.055

77, 40.641,
150.592

81, 46.875,

Harmonies

Complementary

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



47, 16.307, 335.128



52, 16.182, 152.189

Rectangle

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



47, 16.307, 335.128



47, 16.307, 25.128



47, 16.307, 155.128



47, 16.307, 205.128

Sweetspot

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



47, 16.305, 335.129



67, 5.636, 334.060



45, 17.048, 302.530



35, 3.769, 334.098



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 16.305, 335.129



58, 24.669, 335.510



47, 12.259, 4.081



26, 4.316, 334.273



28, 56.839, 343.260



0, 1.026, 333.715

Inverse Universe

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



47, 16.305, 335.129



58, 24.669, 335.510



53, 11.329, 180.117



26, 4.316, 334.273



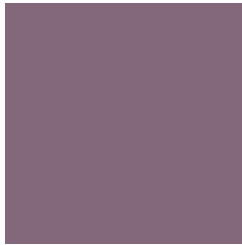
28, 56.839, 343.260



0, 1.026, 333.715

Previews

White Background



This preview shows how the CIELCh color 47, 16.307, 335.128 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, 16.307, 335.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

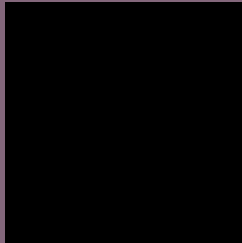
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.307, 335.128

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.307, 335.128.



This preview shows how white text looks on a background with the CIELCh color 47, 16.307, 335.128.

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, 16.307, 335.128

Protanopia

47, 10.076, 287.203

Deuteranopia

47, 8.526, 315.900



Tritanopia
47, 11.370, 356.422

Trichromacy



Original Color
47, 16.307, 335.128

Protanomaly
47, 11.285, 309.686

Deuteranomaly
47, 10.979, 326.850

Tritanomaly
47, 13.104, 345.320

Monochromacy



Original Color
47, 16.307, 335.128

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.813, 334.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.307, 335.128 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(131, 103, 123)` looks like.

```
.text, #text, p{  
    color:rgb(131, 103, 123)  
}
```

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(131, 103, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 103, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.307, 335.128 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(131, 103, 123) }
```

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

```
.border{ border-color:rgb(131, 103, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 103, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 103, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 103, 123);  
box-shadow:4px 4px 4px 4px rgb(131, 103,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.307, 335.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 103, 123) }
```

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

```
.background{ background-color: rgb(131,  
103, 123) }
```

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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