

Converting Colors

CIELCh(47, 16.766, 330.669)

Have a look what the booklet for
CIELCh(47, 16.766, 330.669)
contains.

CIELCh(47, 16.892, 331.251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 16.892, 331.251)

Conversions

Conversions Part 1

Format	Color
Hex	82677D
RGB	130, 103, 125
RGB Percent	51%, 40%, 49%
CMY	0.4890, 0.5949, 0.5086
CMYK	0.00, 0.21, 0.04, 0.49
HSL	311°, 12%, 46%
HSV	311°, 21%, 51%
XYZ	17.8555, 16.0195, 21.6565
YIQ	113.5810, 9.0300, 12.5660

Conversions

Conversions Part 2

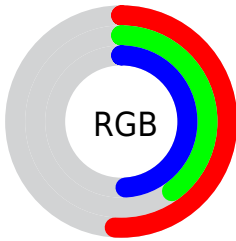
Format	Color
R_{YB}	130, 103, 125
Decimal	8546173
CIE Lab	47.00, 14.81, -8.12
CIE LCh	47, 16.892, 331.251
Yxy	16.0195, 0.3215, 0.2885
Android (android.graphics.Color)	4286736253 (0xFF82677D)
YUV	113.5810, 5.6296, 14.3995
Hunter-Lab	40.0243, 9.5893, -4.0638

Details

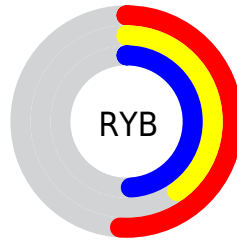
The CIELCh color $47, 16.892, 331.251$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 16.831, 148.639$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.169, 330.529$, and $27, 16.569, 331.069$ is the 20% darker color. If you saturate the color by 10%, you get $44, 25.035, 331.886$, and if you desaturate by 10%, it is $51, 8.703, 330.628$.

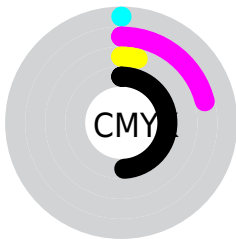
Distribution



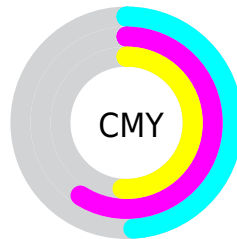
- Red (51%)
- Green (40%)
- Blue (49%)



- Red (51%)
- Yellow (40%)
- Blue (49%)



- Cyan (0%)
- Magenta (21%)
- Yellow (4%)
- Black (49%)





- Cyan (49%)
- Magenta (59%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.892, 331.251 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, 16.892, 331.251 by changing the saturation by 10% instead.


 47, 16.892,
331.251


 47, 16.892,
331.251


 100, 16.892,
331.251


 37, 16.892,
331.251

 67, 16.892,
331.251


 27, 16.892,
331.251

 77, 16.892,
331.251

 17, 16.892,
331.251

 87, 16.892,
331.251

 7, 16.892, 331.251

 97, 16.892,
331.251

 0, 16.892, 331.251

 47, 16.892,

 47, 16.892,

331.251

44, 25.035,
331.886

40, 32.962,
332.535

37, 40.437,
333.199

35, 47.158,
333.881

33, 52.790,
334.590

31, 57.010,
335.341

30, 59.603,
336.158

29, 61.045,
336.961

331.251

51, 8.703, 330.628

54, 0.591, 329.686

58, 7.371, 149.526

62, 15.138,
148.968

66, 22.688,
148.446

69, 30.014,
147.952

73, 37.117,
147.486

77, 44.004,
147.046

81, 50.687,

Harmonies

Complementary

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



47, 16.892, 331.251



52, 16.831, 148.639

Rectangle

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



47, 16.892, 331.251



47, 16.892, 21.251



47, 16.892, 151.251



47, 16.892, 201.251

Sweetspot

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



47, 16.890, 331.252



66, 5.982, 330.335



45, 16.292, 298.939



34, 3.951, 330.368



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, 16.890, 331.252



58, 25.125, 331.556



47, 12.290, 356.821



26, 4.636, 330.528



29, 60.958, 336.959



0, 1.104, 330.016

Inverse Universe

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



47, 16.890, 331.252



58, 25.125, 331.556



52, 11.640, 172.939



26, 4.636, 330.528



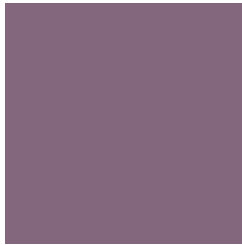
29, 60.958, 336.959



0, 1.104, 330.016

Previews

White Background



This preview shows how the CIELCh color 47, 16.892, 331.251 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, 16.892, 331.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

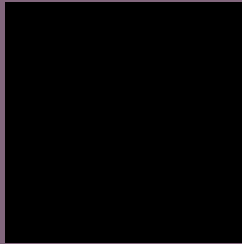
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.892, 331.251

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.892, 331.251.



This preview shows how white text looks on a background with the CIELCh color 47, 16.892, 331.251.

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, 16.892, 331.251

Protanopia

47, 11.278, 285.939

Deuteranopia

47, 9.467, 310.723



Tritanopia
47, 11.229, 352.690

Trichromacy



Original Color
47, 16.892, 331.251

Protanomaly
47, 12.307, 306.280

Deuteranomaly
47, 11.739, 321.827

Tritanomaly
47, 13.116, 342.062

Monochromacy



Original Color
47, 16.892, 331.251

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.243, 330.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.892, 331.251 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(130, 103, 125)` looks like.

```
.text, #text, p{  
    color:rgb(130, 103, 125)  
}
```

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(130, 103, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 103, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.892, 331.251 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(130, 103, 125) }
```

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

```
.border{ border-color:rgb(130, 103, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 103, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 103, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 103, 125);  
box-shadow:4px 4px 4px 4px rgb(130, 103,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.892, 331.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 103, 125) }
```

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

```
.background{ background-color: rgb(130,  
103, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor