

Converting Colors

CIELCh(47, 25.201, 312.043)

Have a look what the booklet for
CIELCh(47, 25.201, 312.043)
contains.

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Color

CIELCh(47, 25.164, 312.034)

Conversions

Conversions Part 1

Format	Color
Hex	7D678F
RGB	125, 103, 143
RGB Percent	49%, 40%, 56%
CMY	0.5101, 0.5964, 0.4395
CMYK	0.13, 0.28, 0.00, 0.44
HSL	273°, 16%, 48%
HSV	273°, 28%, 56%
XYZ	18.2397, 16.0195, 28.0847
YIQ	114.1380, 0.2720, 17.1040

Conversions

Conversions Part 2

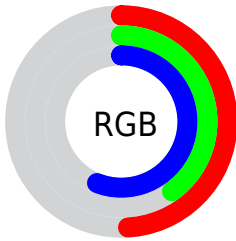
Format	Color
R_{YB}	125, 103, 143
Decimal	8218511
CIE _{Lab}	47.00, 16.85, -18.69
CIE _{LCh}	47, 25.164, 312.034
Yxy	16.0195, 0.2926, 0.2570
Android (android.graphics.Color)	4286408591 (0xFF7D678F)
YUV	114.1380, 14.2290, 9.5260
Hunter-Lab	40.0243, 11.3027, -13.5863

Details

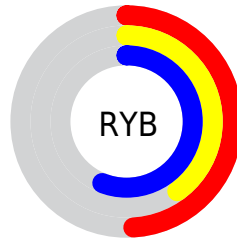
The CIELCh color $47, 25.164, 312.034$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 24.339, 129.564$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 25.381, 312.039$, and $27, 25.228, 311.338$ is the 20% darker color. If you saturate the color by 10%, you get $43, 34.463, 312.517$, and if you desaturate by 10%, it is $51, 15.987, 311.562$.

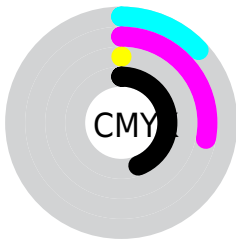
Distribution



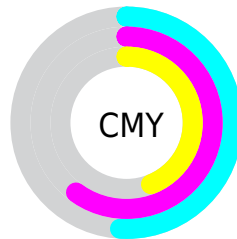
- Red (49%)
- Green (40%)
- Blue (56%)



- Red (49%)
- Yellow (40%)
- Blue (56%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (44%)





- Cyan (51%)
- Magenta (60%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 25.164, 312.034 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, 25.164, 312.034 by changing the saturation by 10% instead.


 47, 25.164,
312.034


 47, 25.164,
312.034


 100, 25.164,
312.034


 37, 25.164,
312.034

 67, 25.164,
312.034


 27, 25.164,
312.034

 77, 25.164,
312.034

 17, 25.164,
312.034

 87, 25.164,
312.034

 7, 25.164, 312.034

 97, 25.164,
312.034

 0, 25.164, 312.034

 47, 25.164,

 47, 25.164,

312.034

43, 34.463,
312.517

39, 43.761,
312.991

35, 52.845,
313.417

31, 61.387,
313.743

28, 68.928,
313.893

25, 74.910,
313.777

23, 79.194,
313.387

22, 80.058,
313.325

312.034

51, 15.987,
311.562

56, 7.009, 311.110

60, 1.736, 130.776

65, 10.232,
130.354

69, 18.476,
130.014

74, 26.472,
129.714

78, 34.230,
129.450

82, 41.759,
129.217

■ 87, 49.073,
129.014

Harmonies

Complementary

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



47, 25.164, 312.034



57, 24.339, 129.564

Rectangle

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



47, 25.164, 312.034



47, 25.164, 2.034



47, 25.164, 132.034



47, 25.164, 182.034

Sweetspot

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



47, 25.163, 312.034



71, 8.715, 311.118



50, 13.919, 263.159



37, 6.253, 311.180



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



47, 25.163, 312.034



57, 38.172, 312.359



49, 27.303, 326.843



28, 4.961, 311.163



21, 76.834, 313.382



0, 3.313, 310.792

Inverse Universe

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



48, 19.346, 349.054



59, 29.254, 349.841



56, 27.294, 143.473



28, 3.823, 347.158



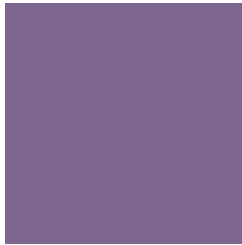
28, 52.685, 5.461



1, 2.551, 346.430

Previews

White Background



This preview shows how the CIELCh color 47, 25.164, 312.034 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, 25.164, 312.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

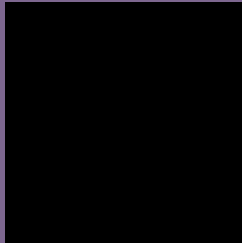
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 25.164, 312.034

Background



This preview shows how black text looks on a background with the CIELCh color 47, 25.164, 312.034.



This preview shows how white text looks on a background with the CIELCh color 47, 25.164, 312.034.

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, 25.164, 312.034

Protanopia

47, 22.609, 285.290

Deuteranopia

47, 19.554, 290.689



Tritanopia
47, 7.118, 338.652

Trichromacy



Original Color
47, 25.164, 312.034

Protanomaly
47, 23.193, 295.873

Deuteranomaly
47, 20.971, 299.893

Tritanomaly
47, 13.477, 319.475

Monochromacy



Original Color
47, 25.164, 312.034

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.453, 310.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 25.164, 312.034 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(125, 103, 143)` looks like.

```
.text, #text, p{  
    color:rgb(125, 103, 143)  
}
```

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(125, 103, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 103, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 25.164, 312.034 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(125, 103, 143) }
```

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

```
.border{ border-color:rgb(125, 103, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 103, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 103, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 103, 143);  
box-shadow:4px 4px 4px 4px rgb(125, 103,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 25.164, 312.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 103, 143) }
```

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

```
.background{ background-color: rgb(125,  
103, 143) }
```

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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