

Converting Colors

CIELCh(47, 27.956, 314.218)

Have a look what the booklet for
CIELCh(47, 27.956, 314.218)
contains.

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Color

CIELCh(47, 27.995, 314.227)

Conversions

Conversions Part 1

Format	Color
Hex	806591
RGB	128, 101, 145
RGB Percent	50%, 40%, 57%
CMY	0.4970, 0.6029, 0.4303
CMYK	0.12, 0.30, 0.00, 0.43
HSL	277°, 18%, 48%
HSV	277°, 30%, 57%
XYZ	18.7524, 16.0195, 29.0013
YIQ	114.0890, 1.9680, 19.4080

Conversions

Conversions Part 2

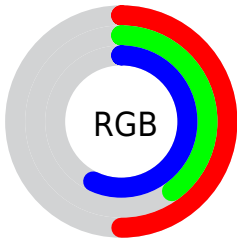
Format	Color
R _Y B	128, 101, 145
Decimal	8414609
CIE Lab	47.00, 19.53, -20.06
CIE LCh	47, 27.995, 314.227
Yxy	16.0195, 0.2940, 0.2512
Android (android.graphics.Color)	4286604689 (0xFF806591)
YUV	114.0890, 15.2391, 12.1999
Hunter-Lab	40.0243, 13.5894, -14.9441

Details

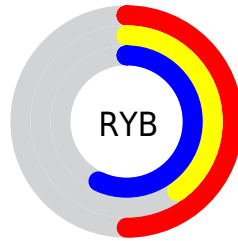
The CIELCh color $47, 27.995, 314.227$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 27.164, 131.594$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 28.073, 314.062$, and $27, 27.609, 314.246$ is the 20% darker color. If you saturate the color by 10%, you get $43, 37.458, 314.670$, and if you desaturate by 10%, it is $51, 18.581, 313.780$.

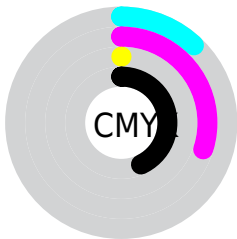
Distribution



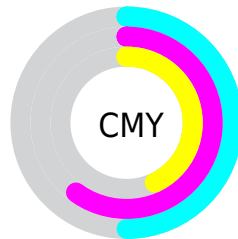
- Red (50%)
- Green (40%)
- Blue (57%)



- Red (50%)
- Yellow (40%)
- Blue (57%)



- Cyan (12%)
- Magenta (30%)
- Yellow (0%)
- Black (43%)




- Cyan (50%)
- Magenta (60%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 27.995, 314.227 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, 27.995, 314.227 by changing the saturation by 10% instead.

 47, 27.995,
314.227


 47, 27.995,
314.227


 100, 27.995,
314.227


 37, 27.995,
314.227

 67, 27.995,
314.227


 27, 27.995,
314.227

 77, 27.995,
314.227

 17, 27.995,
314.227

 87, 27.995,
314.227

 7, 27.995, 314.227

 97, 27.995,
314.227

 0, 27.995, 314.227

 47, 27.995,

 47, 27.995,

314.227

43, 37.458,
314.670

39, 46.809,
315.083

35, 55.785,
315.427

31, 64.013,
315.648

28, 71.008,
315.673

26, 76.256,
315.425

24, 79.970,
314.993

314.227

51, 18.581,
313.780

56, 9.322, 313.344

60, 0.273, 312.505

65, 8.537, 132.590

69, 17.097,
132.241

73, 25.406,
131.929

78, 33.471,
131.650

82, 41.299,
131.403

87, 48.902,

Harmonies

Complementary

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



47, 27.995, 314.227



57, 27.164, 131.594

Rectangle

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



47, 27.995, 314.227



47, 27.995, 4.227



47, 27.995, 134.227



47, 27.995, 184.227

Sweetspot

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



47, 27.994, 314.227



72, 10.072, 313.295



49, 16.456, 270.076



37, 6.987, 313.352



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, 27.994, 314.227



57, 41.351, 314.514



49, 28.611, 328.984



28, 5.033, 313.295



22, 75.840, 315.064



0, 3.365, 312.936

Inverse Universe

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



48, 20.553, 353.332



59, 30.356, 354.178



56, 28.582, 145.153



28, 3.675, 351.021



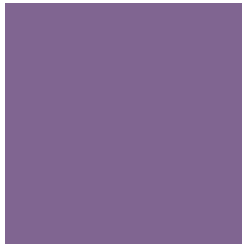
28, 52.897, 11.495



1, 2.447, 350.261

Previews

White Background



This preview shows how the CIELCh color 47, 27.995, 314.227 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, 27.995, 314.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

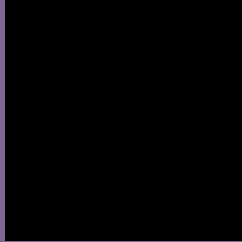
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.995, 314.227

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.995, 314.227.



This preview shows how white text looks on a background with the CIELCh color 47, 27.995, 314.227.

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, 27.995, 314.227

Protanopia

47, 25.003, 284.953

Deuteranopia

47, 20.155, 287.820



Tritanopia
47, 8.426, 346.381

Trichromacy



Original Color
47, 27.995, 314.227

Protanomaly
47, 25.545, 295.882

Deuteranomaly
47, 22.101, 298.684

Tritanomaly
47, 14.992, 325.305

Monochromacy



Original Color
47, 27.995, 314.227

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 10.300, 313.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.995, 314.227 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(128, 101, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 101, 145)  
}
```

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(128, 101, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 101, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.995, 314.227 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(128, 101, 145) }
```

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

```
.border{ border-color:rgb(128, 101, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 101, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 101, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 101, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 101,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.995, 314.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 101, 145) }
```

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

```
.background{ background-color: rgb(128,  
101, 145) }
```

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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