

Converting Colors

CIELCh(16, 47.061, 324.937)

Have a look what the booklet for
CIELCh(16, 47.061, 324.937)
contains.

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Color

CIELCh(16, 47.018, 324.722)

Conversions

Conversions Part 1

Format	Color
Hex	48074F
RGB	72, 7, 79
RGB Percent	28%, 3%, 31%
CMY	0.7174, 0.9722, 0.6900
CMYK	0.09, 0.91, 0.00, 0.69
HSL	294°, 84%, 17%
HSV	294°, 91%, 31%
XYZ	4.1677, 2.0993, 7.5946
YIQ	34.6430, 15.6280, 36.1720

Conversions

Conversions Part 2

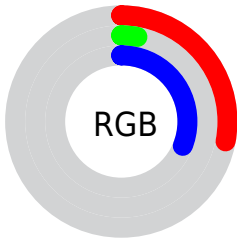
Format	Color
R_{YB}	72, 7, 79
Decimal	4720463
CIE _{Lab}	16.00, 38.38, -27.15
CIE _{LCh}	16, 47.018, 324.722
Yxy	2.0993, 0.3007, 0.1514
Android (android.graphics.Color)	4282910543 (0xFF48074F)
YUV	34.6430, 21.8680, 32.7621
Hunter-Lab	14.4890, 25.9887, -20.9352




Details

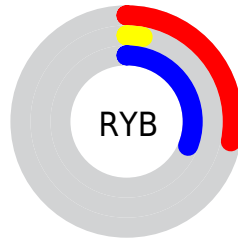
The CIELCh color **16, 47.018, 324.722** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 47.615, 135.823**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 46.893, 324.458**, and **3, 22.024, 313.644** is the 20% darker color. If you saturate the color by 10%, you get **15, 49.725, 324.779**, and if you desaturate by 10%, it is **17, 43.989, 324.675**.

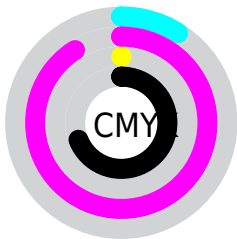
Distribution







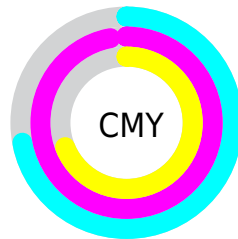
-  Red (28%)
-  Green (3%)
-  Blue (31%)






-  Red (28%)
-  Yellow (3%)
-  Blue (31%)



-  Cyan (9%)
-  Magenta (91%)
-  Yellow (0%)
-  Black (69%)




-  Cyan (72%)
-  Magenta (97%)
-  Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 47.018, 324.722 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 16, 47.018, 324.722 by changing the saturation by 10% instead.

 16, 47.018,
324.722


 16, 47.018,
324.722


 100, 47.018,
324.722


 6, 47.018, 324.722


 36, 47.018,
324.722

 0, 47.018, 324.722

 46, 47.018,
324.722


 56, 47.018,
324.722


 66, 47.018,
324.722

 76, 47.018,
324.722


 86, 47.018,


324.722


 96, 47.018,
324.722


 16, 47.018,
324.722


 16, 47.018,
324.722


 15, 49.725,
324.779

 17, 43.989,
324.675

 18, 40.082,
324.523

 20, 35.384,
324.273

 22, 30.101,
323.948

 24, 24.429,
323.567

■ 26, 18.532,
323.150

■ 29, 12.541,
322.712

■ 31, 6.547, 322.260

■ 33, 0.616, 321.643

Harmonies

Complementary

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



16, 47.018, 324.722



29, 47.615, 135.823

Rectangle

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



16, 47.018, 324.722



16, 47.018, 14.722



16, 47.018, 144.722



16, 47.018, 194.722

Sweetspot

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



16, 47.017, 324.722



35, 19.898, 323.016



8, 46.839, 301.613



16, 13.241, 323.086



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 47.017, 324.722



21, 59.324, 324.661



16, 36.138, 348.470



15, 3.397, 322.155



22, 60.366, 324.650



51, 108.321, 324.407

Inverse Universe

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



15, 36.371, 27.466



19, 48.505, 32.023



29, 37.308, 148.176



15, 2.034, 11.939



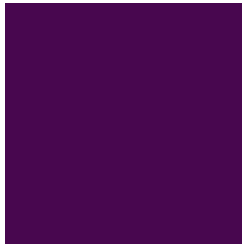
20, 49.520, 32.338



49, 93.199, 36.623

Previews

White Background



This preview shows how the CIELCh color 16, 47.018, 324.722 looks on a white background.

Color Contrast Check

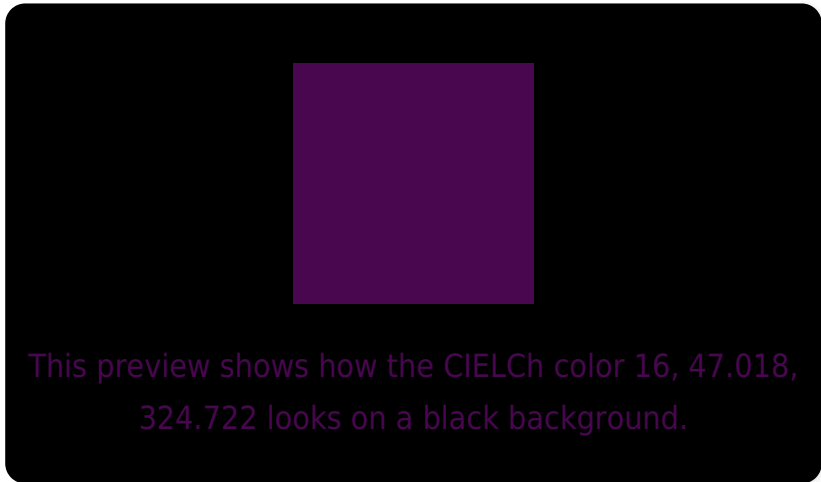
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 16, 47.018, 324.722

Background



This preview shows how black text looks on a background with the CIELCh color 16, 47.018, 324.722.



This preview shows how white text looks on a background with the CIELCh color 16, 47.018, 324.722.

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

16, 47.018, 324.722

Protanopia

17, 32.326, 283.059

Deuteranopia

17, 22.328, 275.267



Tritanopia
17, 18.639, 18.487

Trichromacy



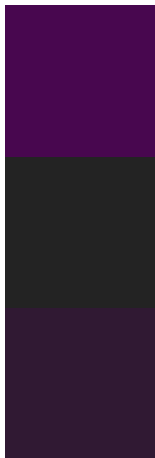
Original Color
16, 47.018, 324.722

Protanomaly
14, 38.681, 298.550

Deuteranomaly
15, 32.471, 301.516

Tritanomaly
16, 27.065, 344.831

Monochromacy



Original Color
16, 47.018, 324.722

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 20.855, 323.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 47.018, 324.722 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(72, 7, 79)` looks like.

```
.text, #text, p{  
    color:rgb(72, 7, 79)  
}
```

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(72, 7, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 7, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 47.018, 324.722 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(72, 7, 79) }
```

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

```
.border{ border-color:rgb(72, 7, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 7, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 7, 79); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 7, 79); box-shadow:4px  
4px 4px 4px rgb(72, 7, 79) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 47.018, 324.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 7, 79) }
```

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

```
.background{ background-color: rgb(72, 7,  
79) }
```

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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