

Converting Colors

CIELCh(13, 58.971, 328.222)

Have a look what the booklet for
CIELCh(13, 58.971, 328.222)
contains.

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Color

CIELCh(16, 49.043, 327.311)

Conversions

Conversions Part 1

Format	Color
Hex	4C004E
RGB	76, 0, 78
RGB Percent	30%, 0%, 31%
CMY	0.7013, 0.9993, 0.6935
CMYK	0.03, 1.00, 0.00, 0.69
HSL	298°, 100%, 15%
HSV	298°, 100%, 31%
XYZ	4.3761, 2.0993, 7.4112
YIQ	31.6160, 20.2580, 40.3700

Conversions

Conversions Part 2

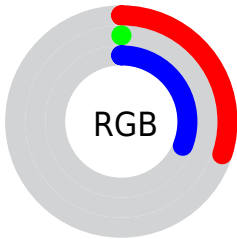
Format	Color
R_{YB}	76, 0, 78
Decimal	4980814
CIE _{Lab}	16.00, 41.28, -26.49
CIE _{LCh}	16, 49.043, 327.311
Yxy	2.0993, 0.3151, 0.1512
Android (android.graphics.Color)	4283170894 (0xFF4C004E)
YUV	31.6160, 22.8673, 38.9248
Hunter-Lab	14.4890, 28.5567, -20.1850

Details

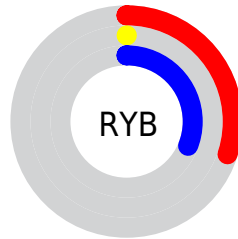
The CIELCh color **16, 49.043, 327.311** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **28, 50.561, 135.767**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 49.385, 327.211**, and **3, 22.299, 319.574** is the 20% darker color. If you saturate the color by 10%, you get **16, 49.108, 327.315**, and if you desaturate by 10%, it is **17, 46.239, 327.158**.

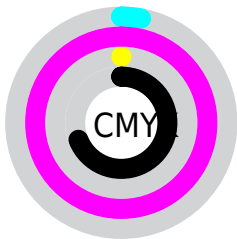
Distribution



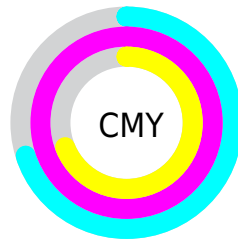
- Red (30%)
- Green (0%)
- Blue (31%)



- Red (30%)
- Yellow (0%)
- Blue (31%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (69%)





- Cyan (70%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 49.043, 327.311 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, 49.043, 327.311 by changing the saturation by 10% instead.

 16, 49.043,
327.311


 16, 49.043,
327.311


 100, 49.043,
327.311


 6, 49.043, 327.311


 36, 49.043,
327.311

 0, 49.043, 327.311

 46, 49.043,
327.311


 56, 49.043,
327.311


 66, 49.043,
327.311


 76, 49.043,
327.311


 86, 49.043,


327.311


 96, 49.043,
327.311


 16, 49.043,
327.311


 16, 49.043,
327.311


 16, 49.108,
327.315

 17, 46.239,
327.158

 18, 43.299,
326.995

 19, 39.445,
326.751

 21, 34.793,
326.433

 22, 29.535,
326.055

■ 24, 23.863,
325.631

■ 26, 17.944,
325.175

■ 29, 11.909,
324.699

■ 31, 5.861, 324.208

Harmonies

Complementary

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



16, 49.043, 327.311



28, 50.561, 135.767

Rectangle

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



16, 49.043, 327.311



16, 49.043, 17.311



16, 49.043, 147.311



16, 49.043, 197.311

Sweetspot

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



16, 49.042, 327.311



35, 22.531, 325.237



6, 53.328, 304.342



15, 15.168, 325.338



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, 49.042, 327.311



22, 59.035, 327.281



14, 36.655, 355.102



14, 3.286, 324.151



53, 106.843, 327.213

Inverse Universe

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



13, 39.541, 30.651



19, 49.956, 34.958



28, 37.210, 149.864



14, 1.910, 17.724



48, 95.522, 39.205

Previews

White Background



This preview shows how the CIELCh color 16, 49.043, 327.311 looks on a white background.

Color Contrast Check

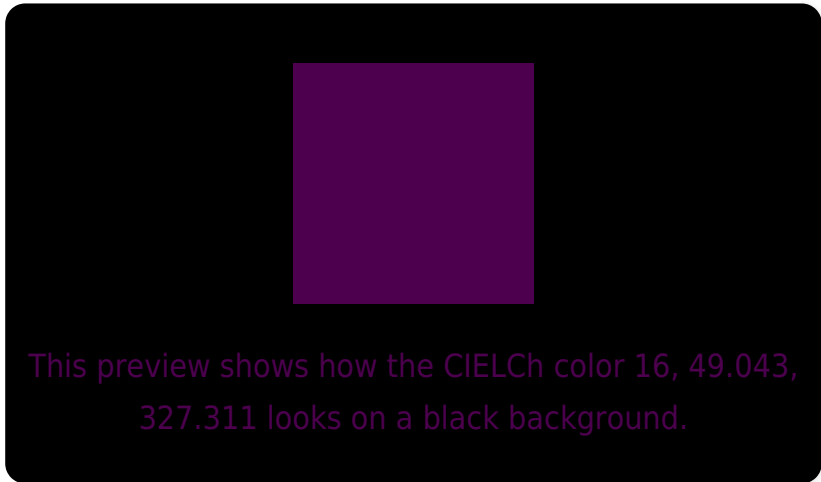
Large Text (above 18pt) WCAG AA ✓ Pass

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

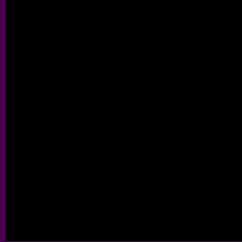
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 49.043, 327.311

Background



This preview shows how black text looks on a background with the CIELCh color 16, 49.043, 327.311.



This preview shows how white text looks on a background with the CIELCh color 16, 49.043, 327.311.

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, 49.043, 327.311

Protanopia

17, 33.531, 283.719

Deuteranopia

18, 20.626, 277.119



Tritanopia
18, 20.791, 21.559

Trichromacy



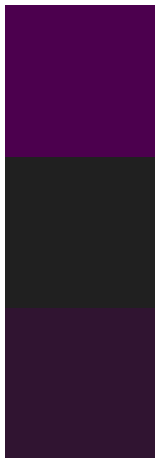
Original Color
16, 49.043, 327.311

Protanomaly
14, 41.419, 300.566

Deuteranomaly
15, 33.327, 306.713

Tritanomaly
16, 28.963, 348.526

Monochromacy



Original Color
16, 49.043, 327.311

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 23.542, 325.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 49.043, 327.311 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(76, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 78)  
}
```

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(76, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 49.043, 327.311 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(76, 0, 78) }
```

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

```
.border{ border-color:rgb(76, 0, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 0, 78); box-shadow:4px  
4px 4px 4px rgb(76, 0, 78) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 49.043, 327.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 0, 78) }
```

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

```
.background{ background-color: rgb(76, 0,  
78) }
```

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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