

Converting Colors

CIELCh(16, 51.784, 324.156)

Have a look what the booklet for
CIELCh(16, 51.784, 324.156)
contains.

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Color

CIELCh(16, 51.928, 323.988)

Conversions

Conversions Part 1

Format	Color
Hex	4A0054
RGB	74, 0, 84
RGB Percent	29%, 0%, 33%
CMY	0.7096, 0.9998, 0.6704
CMYK	0.12, 1.00, 0.00, 0.67
HSL	293°, 100%, 16%
HSV	293°, 100%, 33%
XYZ	4.4297, 2.0993, 8.5678
YIQ	31.7020, 17.1400, 41.8120

Conversions

Conversions Part 2

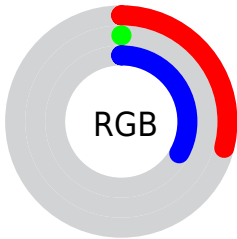
Format	Color
R_{YB}	74, 0, 84
Decimal	4849748
CIE _{Lab}	16.00, 42.00, -30.53
CIE _{LCh}	16, 51.928, 323.988
Yxy	2.0993, 0.2934, 0.1391
Android (android.graphics.Color)	4283039828 (0xFF4A0054)
YUV	31.7020, 25.7829, 37.0953
Hunter-Lab	14.4890, 29.2172, -24.9178

Details

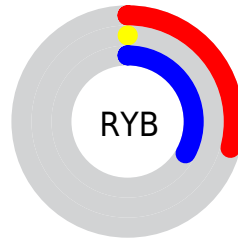
The CIELCh color **16, 51.928, 323.988** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **30, 52.534, 134.800**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 51.969, 324.136**, and **3, 25.548, 314.111** is the 20% darker color. If you saturate the color by 10%, you get **16, 51.945, 323.988**, and if you desaturate by 10%, it is **17, 48.903, 323.978**.

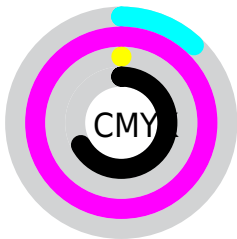
Distribution



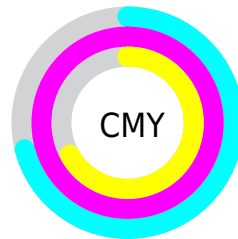
- Red (29%)
- Green (0%)
- Blue (33%)



- Red (29%)
- Yellow (0%)
- Blue (33%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (67%)





- Cyan (71%)
- Magenta (100%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 51.928, 323.988 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, 51.928, 323.988 by changing the saturation by 10% instead.

 16, 51.928,
323.988


 16, 51.928,
323.988


 100, 51.928,
323.988


 6, 51.928, 323.988


 36, 51.928,
323.988

 0, 51.928, 323.988

 46, 51.928,
323.988


 56, 51.928,
323.988


 66, 51.928,
323.988


 76, 51.928,
323.988


 86, 51.928,


323.988


 96, 51.928,
323.988


 16, 51.928,
323.988


 16, 51.928,
323.988


 16, 51.945,
323.988

 17, 48.903,
323.978

 18, 45.697,
323.963

 20, 41.499,
323.825

 22, 36.487,
323.583

 24, 30.884,
323.261

■ 26, 24.898,
322.883

■ 28, 18.701,
322.468

■ 31, 12.423,
322.034

■ 33, 6.158, 321.586

Harmonies

Complementary

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



16, 51.928, 323.988



30, 52.534, 134.800

Rectangle

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



16, 51.928, 323.988



16, 51.928, 13.988



16, 51.928, 143.988



16, 51.928, 193.988

Sweetspot

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



16, 51.927, 323.988



37, 23.338, 322.515



8, 52.125, 302.401



17, 16.048, 322.623



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 51.927, 323.988



22, 62.564, 323.846



16, 40.223, 347.779



15, 3.375, 321.529



21, 60.487, 323.870



50, 108.563, 323.576

Inverse Universe

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



15, 40.873, 28.138



21, 51.009, 31.870



31, 43.066, 145.314



15, 2.042, 10.198



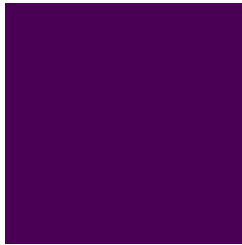
20, 49.055, 31.339



49, 91.996, 35.523

Previews

White Background



This preview shows how the CIE LCh color 16, 51.928, 323.988 looks on a white background.

Color Contrast Check

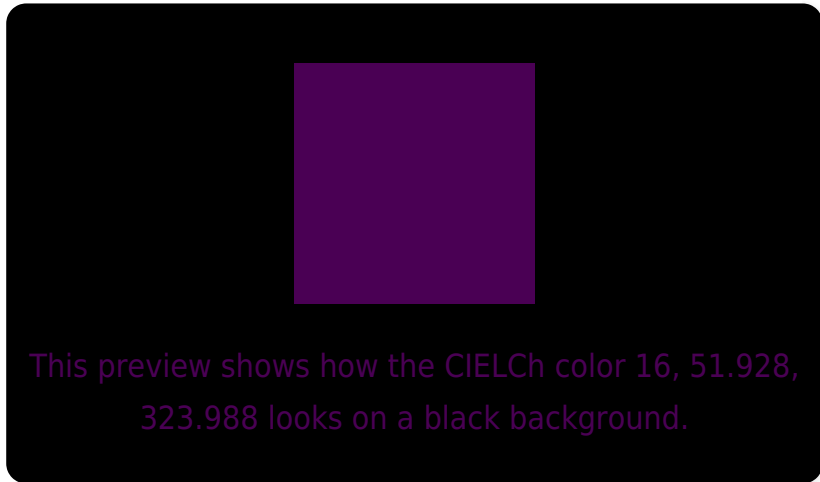
Large Text (above 18pt) WCAG AA ✓ Pass

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

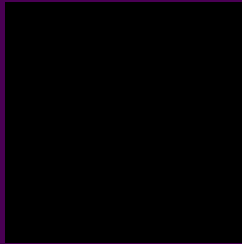
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 51.928, 323.988

Background



This preview shows how black text looks on a background with the CIELCh color 16, 51.928, 323.988.



This preview shows how white text looks on a background with the CIELCh color 16, 51.928, 323.988.

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, 51.928, 323.988

Protanopia

17, 33.531, 283.719

Deuteranopia

18, 24.552, 273.520



Tritanopia
18, 18.088, 20.063

Trichromacy



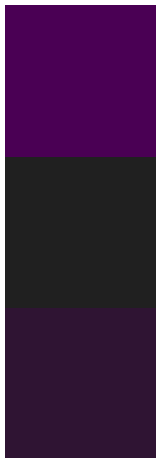
Original Color
16, 51.928, 323.988

Protanomaly
14, 42.732, 300.449

Deuteranomaly
14, 36.603, 300.054

Tritanomaly
16, 28.925, 341.867

Monochromacy



Original Color
16, 51.928, 323.988

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 24.531, 323.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 51.928, 323.988 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(74, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 84)  
}
```

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(74, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 51.928, 323.988 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(74, 0, 84) }
```

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

```
.border{ border-color:rgb(74, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 84); box-shadow:4px  
4px 4px 4px rgb(74, 0, 84) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 51.928, 323.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 84) }
```

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

```
.background{ background-color: rgb(74, 0,  
84) }
```

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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