

Converting Colors

CIELCh(5, 93.061, 328.744)

Have a look what the booklet for
CIELCh(5, 93.061, 328.744) contains.

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Color

CIELCh(16, 51.820, 324.818)

Conversions

Conversions Part 1

Format	Color
Hex	4B0053
RGB	75, 0, 83
RGB Percent	29%, 0%, 33%
CMY	0.7058, 1.0000, 0.6743
CMYK	0.10, 1.00, 0.00, 0.67
HSL	294°, 100%, 16%
HSV	294°, 100%, 33%
XYZ	4.4556, 2.0993, 8.3673
YIQ	31.8870, 18.0570, 41.7130

Conversions

Conversions Part 2

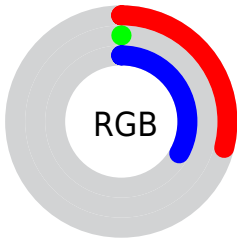
Format	Color
R_YB	75, 0, 83
Decimal	4915283
CIE _{Lab}	16.00, 42.35, -29.86
CIE _{LCh}	16, 51.820, 324.818
Yxy	2.0993, 0.2986, 0.1407
Android (android.graphics.Color)	4283105363 (0xFF4B0053)
YUV	31.8870, 25.1987, 37.8101
Hunter-Lab	14.4890, 29.5359, -24.0972

Details

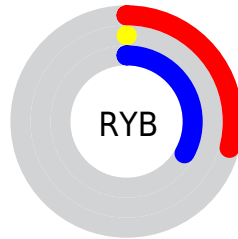
The CIELCh color **16, 51.820, 324.818** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **30, 52.282, 135.009**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 51.588, 324.888**, and **3, 25.021, 315.747** is the 20% darker color. If you saturate the color by 10%, you get **16, 51.430, 324.767**, and if you desaturate by 10%, it is **17, 48.467, 324.727**.

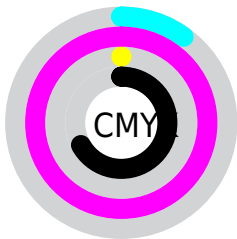
Distribution



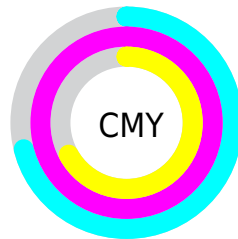
- Red (29%)
- Green (0%)
- Blue (33%)



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



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (67%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 51.820, 324.818 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, 51.820, 324.818 by changing the saturation by 10% instead.

 16, 51.820,
324.818


 16, 51.820,
324.818


 100, 51.820,
324.818


 6, 51.820, 324.818


 36, 51.820,
324.818

 0, 51.820, 324.818

 46, 51.820,
324.818


 56, 51.820,
324.818


 66, 51.820,
324.818


 76, 51.820,
324.818


 86, 51.820,

324.818


 96, 51.820,
324.818


 16, 51.820,
324.818


 16, 51.820,
324.818


 16, 51.430,
324.767

 17, 48.467,
324.727

 18, 45.333,
324.682

 20, 41.218,
324.523

 21, 36.284,
324.267

 23, 30.749,
323.934

■ 26, 24.817,
323.548

■ 28, 18.662,
323.125

■ 30, 12.416,
322.682

■ 33, 6.175, 322.226

Harmonies

Complementary

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



16, 51.820, 324.818



30, 52.282, 135.009

Rectangle

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



16, 51.820, 324.818



16, 51.820, 14.818



16, 51.820, 144.818



16, 51.820, 194.818

Sweetspot

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



16, 51.430, 324.767



36, 23.020, 323.169



7, 53.279, 303.270



16, 15.518, 323.270



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 51.430, 324.767



22, 61.402, 324.653



16, 39.265, 350.214



15, 3.397, 322.165



22, 60.364, 324.663



51, 108.317, 324.421

Inverse Universe

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



15, 40.782, 28.868



21, 50.534, 32.647



30, 41.503, 146.667



15, 2.034, 11.967



20, 49.527, 32.353



49, 93.218, 36.640

Previews

White Background



This preview shows how the CIELCh color 16, 51.820, 324.818 looks on a white background.

Color Contrast Check

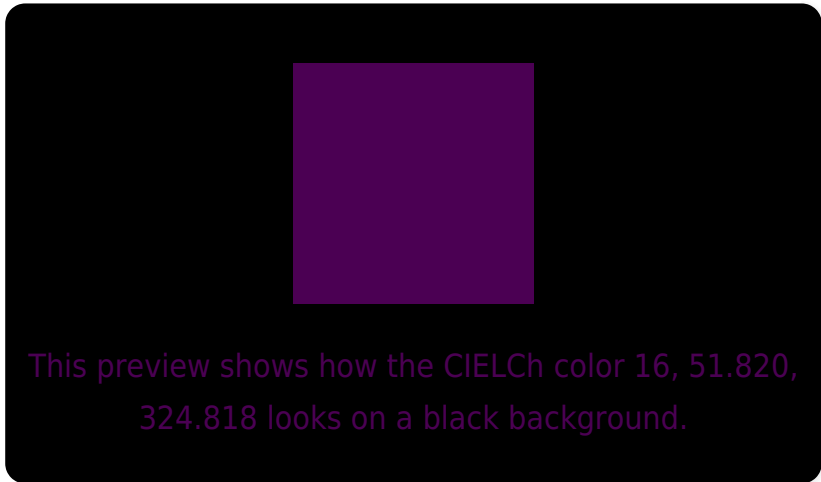
Large Text (above 18pt) WCAG AA ✓ Pass

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

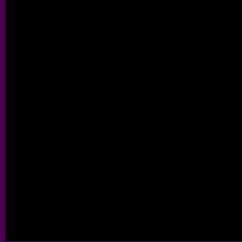
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 51.820, 324.818

Background



This preview shows how black text looks on a background with the CIELCh color 16, 51.820, 324.818.



This preview shows how white text looks on a background with the CIELCh color 16, 51.820, 324.818.

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, 51.400, 324.784

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 23.659, 274.844



Tritanopia
18, 18.600, 20.327

Trichromacy



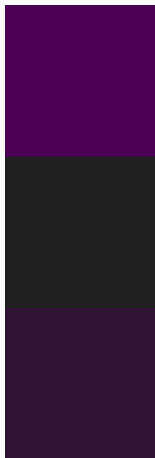
Original Color
16, 51.400, 324.784

Protanomaly
14, 42.090, 300.355

Deuteranomaly
15, 35.864, 302.196

Tritanomaly
16, 28.814, 343.771

Monochromacy



Original Color
16, 51.400, 324.784

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 24.656, 324.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 51.820, 324.818 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(75, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 83)  
}
```

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(75, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 51.820, 324.818 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(75, 0, 83) }
```

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

```
.border{ border-color:rgb(75, 0, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 0, 83); box-shadow:4px  
4px 4px 4px rgb(75, 0, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 51.820, 324.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 83) }
```

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

```
.background{ background-color: rgb(75, 0,  
83) }
```

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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