

Converting Colors

CIELCh(4, 93.996, 331.682)

Have a look what the booklet for
CIELCh(4, 93.996, 331.682) contains.

CIELCh(16, 48.092, 329.660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(16, 48.092, 329.660)

Conversions

Conversions Part 1

Format	Color
Hex	4E004B
RGB	78, 0, 75
RGB Percent	31%, 0%, 29%
CMY	0.6944, 1.0000, 0.7059
CMYK	0.00, 1.00, 0.04, 0.69
HSL	302°, 100%, 15%
HSV	302°, 100%, 31%
XYZ	4.3930, 2.0993, 6.8297
YIQ	31.8720, 22.4130, 39.8610

Conversions

Conversions Part 2

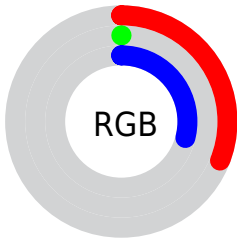
Format	Color
RYB	78, 0, 75
Decimal	5111883
CIELab	16.00, 41.51, -24.29
CIElCh	16, 48.092, 329.660
Yxy	2.0993, 0.3298, 0.1576
Android (android.graphics.Color)	4283301963 (0xFF4E004B)
YUV	31.8720, 21.2621, 40.4543
Hunter-Lab	14.4890, 28.7647, -17.8052

Details

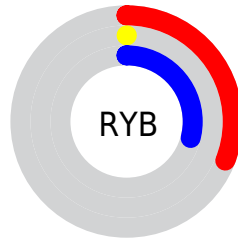
The CIELCh color **16, 48.092, 329.660** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 49.759, 136.823**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 47.273, 329.792**, and **3, 21.539, 324.182** is the 20% darker color. If you saturate the color by 10%, you get **16, 47.664, 329.642**, and if you desaturate by 10%, it is **17, 45.021, 329.372**.

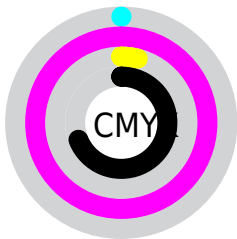
Distribution



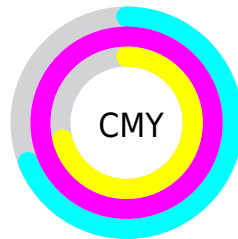
- Red (31%)
- Green (0%)
- Blue (29%)



- Red (31%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (69%)



- Cyan (69%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 48.092, 329.660 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, 48.092, 329.660 by changing the saturation by 10% instead.

■ 16, 48.092,
329.660

■ 16, 48.092,
329.660

■ 100, 48.092,
329.660

■ 6, 48.092, 329.660

■ 36, 48.092,
329.660

■ 0, 48.092, 329.660

■ 46, 48.092,
329.660

■ 56, 48.092,
329.660


■ 66, 48.092,
329.660

■ 76, 48.092,
329.660


■ 86, 48.092,


329.660

 96, 48.092,
329.660

 16, 48.092,
329.660


 16, 48.092,
329.660


 16, 47.664,
329.642

 17, 45.021,
329.372

 18, 42.256,
329.086

 19, 38.584,
328.746

 21, 34.106,
328.355

 22, 29.012,
327.921

■ 24, 23.490,
327.453

■ 26, 17.710,
326.962

■ 28, 11.806,
326.456

■ 31, 5.880, 325.939

Harmonies

Complementary

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



16, 48.092, 329.660



28, 49.759, 136.823

Rectangle

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



16, 48.092, 329.660



16, 48.092, 19.660



16, 48.092, 149.660



16, 48.092, 199.660

Sweetspot

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



16, 47.664, 329.642



35, 22.122, 327.018



5, 54.717, 305.426



16, 14.891, 327.127



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, 47.664, 329.642



23, 57.352, 329.696



14, 35.992, 0.703



14, 3.229, 325.867



54, 103.579, 329.806

Inverse Universe

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



16, 47.664, 329.642



23, 57.352, 329.696



28, 34.801, 153.217



14, 3.229, 325.867



54, 103.579, 329.806

Previews

White Background



This preview shows how the CIELCh color 16, 48.092, 329.660 looks on a white background.

Color Contrast Check

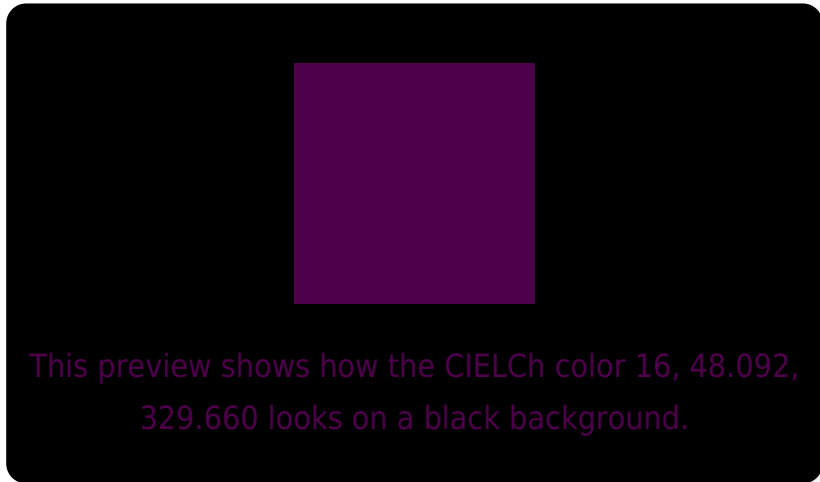
Large Text (above 18pt) WCAG AA ✓ Pass

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

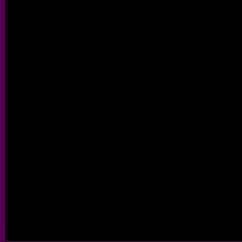
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 48.092, 329.660

Background



This preview shows how black text looks on a background with the CIELCh color 16, 48.092, 329.660.



This preview shows how white text looks on a background with the CIELCh color 16, 48.092, 329.660.

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, 47.664, 329.676

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 18.393, 278.310



Tritanopia
17, 22.980, 22.751

Trichromacy



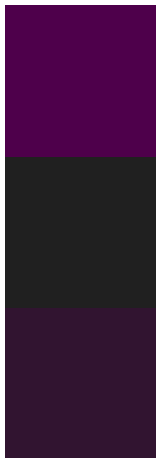
Original Color
16, 47.664, 329.676

Protanomaly
14, 40.773, 300.477

Deuteranomaly
15, 31.472, 309.806

Tritanomaly
16, 30.030, 351.724

Monochromacy



Original Color
16, 47.664, 329.676

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 23.157, 328.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 48.092, 329.660 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(78, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(78, 0, 75)  
}
```

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(78, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 48.092, 329.660 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(78, 0, 75) }
```

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

```
.border{ border-color:rgb(78, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(78, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 75); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 0, 75); box-shadow:4px  
4px 4px 4px rgb(78, 0, 75) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 48.092, 329.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 0, 75) }
```

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

```
.background{ background-color: rgb(78, 0,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor