

Converting Colors

CIELCh(16, 46.544, 331.658)

Have a look what the booklet for
CIELCh(16, 46.544, 331.658)
contains.

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Color

CIELCh(16, 46.376, 331.741)

Conversions

Conversions Part 1

Format	Color
Hex	4F0048
RGB	79, 0, 72
RGB Percent	31%, 0%, 28%
CMY	0.6917, 1.0000, 0.7191
CMYK	0.00, 1.00, 0.09, 0.69
HSL	305°, 100%, 15%
HSV	305°, 100%, 31%
XYZ	4.3449, 2.0993, 6.2450
YIQ	31.8290, 23.9720, 39.1400

Conversions

Conversions Part 2

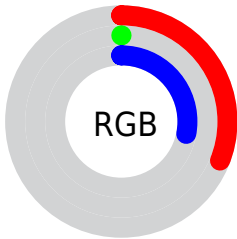
Format	Color
RYB	79, 0, 72
Decimal	5177416
CIELab	16.00, 40.85, -21.96
CIELCh	16, 46.376, 331.741
Yxy	2.0993, 0.3424, 0.1654
Android (android.graphics.Color)	4283367496 (0xFF4F0048)
YUV	31.8290, 19.8043, 41.3690
Hunter-Lab	14.4890, 28.1726, -15.4127

Details

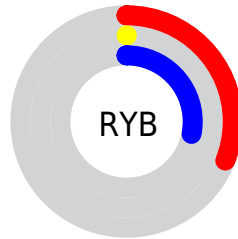
The CIELCh color **16, 46.376, 331.741** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 48.814, 137.865**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 46.137, 331.672**, and **3, 19.934, 329.228** is the 20% darker color. If you saturate the color by 10%, you get **16, 46.219, 331.741**, and if you desaturate by 10%, it is **17, 43.714, 331.348**.

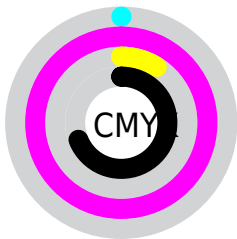
Distribution



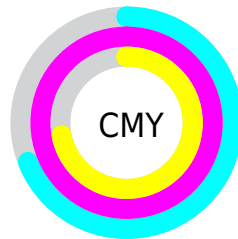
- Red (31%)
- Green (0%)
- Blue (28%)



- Red (31%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (69%)





- Cyan (69%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 46.376, 331.741 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, 46.376, 331.741 by changing the saturation by 10% instead.

 16, 46.376,
331.741


 16, 46.376,
331.741


 100, 46.376,
331.741


 6, 46.376, 331.741


 36, 46.376,
331.741

 0, 46.376, 331.741

 46, 46.376,
331.741


 56, 46.376,
331.741


 66, 46.376,
331.741


 76, 46.376,
331.741


 86, 46.376,


331.741


 96, 46.376,
331.741

 16, 46.376,
331.741


 16, 46.376,
331.741


 16, 46.219,
331.741

 17, 43.714,
331.348

 18, 41.085,
330.933

 19, 37.541,
330.492

 21, 33.193,
330.023

 22, 28.235,
329.529

■ 24, 22.858,
329.017

■ 26, 17.230,
328.492

■ 29, 11.483,
327.961

■ 31, 5.718, 327.424

Harmonies

Complementary

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



16, 46.376, 331.741



28, 48.814, 137.865

Rectangle

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



16, 46.376, 331.741



16, 46.376, 21.741



16, 46.376, 151.741



16, 46.376, 201.741

Sweetspot

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



16, 46.219, 331.741



35, 21.367, 328.549



5, 55.100, 306.093



15, 14.384, 328.664



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, 46.219, 331.741



22, 55.216, 331.879



14, 35.992, 5.123



14, 3.117, 327.348



53, 99.450, 332.169

Inverse Universe

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



16, 46.219, 331.741



22, 55.216, 331.879



29, 33.222, 156.036



14, 3.117, 327.348



53, 99.450, 332.169

Previews

White Background



This preview shows how the CIE LCh color 16, 46.376, 331.741 looks on a white background.

Color Contrast Check

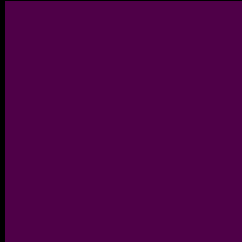
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 16, 46.376, 331.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

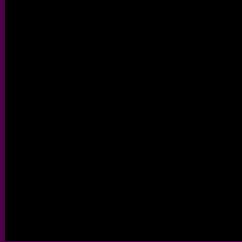
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 46.376, 331.741

Background



This preview shows how black text looks on a background with the CIELCh color 16, 46.376, 331.741.



This preview shows how white text looks on a background with the CIELCh color 16, 46.376, 331.741.

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, 46.376, 331.741

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 16.180, 279.691



Tritanopia
18, 24.574, 23.549

Trichromacy



Original Color
16, 46.376, 331.741

Protanomaly
14, 39.451, 300.640

Deuteranomaly
15, 29.700, 312.856

Tritanomaly
16, 29.907, 354.865

Monochromacy



Original Color
16, 46.376, 331.741

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 22.112, 330.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 46.376, 331.741 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(79, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 72)  
}
```

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(79, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 46.376, 331.741 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(79, 0, 72) }
```

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

```
.border{ border-color:rgb(79, 0, 72) }
```

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

Here you see how a box with a 4 pixel rgb(79, 0, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 0, 72); box-shadow:4px  
4px 4px 4px rgb(79, 0, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 46.376, 331.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 72) }
```

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

```
.background{ background-color: rgb(79, 0,  
72) }
```

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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