

Converting Colors

CIELCh(8, 75.802, 333.260)

Have a look what the booklet for
CIELCh(8, 75.802, 333.260) contains.

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Color

CIELCh(16, 45.974, 332.809)

Conversions

Conversions Part 1

Format	Color
Hex	4F0046
RGB	79, 0, 70
RGB Percent	31%, 0%, 27%
CMY	0.6893, 1.0000, 0.7244
CMYK	0.00, 1.00, 0.11, 0.69
HSL	307°, 100%, 16%
HSV	307°, 100%, 31%
XYZ	4.3482, 2.0993, 6.0173
YIQ	31.6010, 24.6140, 38.5180

Conversions

Conversions Part 2

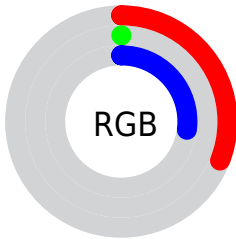
Format	Color
R_{YB}	79, 0, 70
Decimal	5177414
CIE _{Lab}	16.00, 40.89, -21.01
CIE _{LCh}	16, 45.974, 332.809
Yxy	2.0993, 0.3488, 0.1684
Android (android.graphics.Color)	4283367494 (0xFF4F0046)
YUV	31.6010, 18.9307, 41.5689
Hunter-Lab	14.4890, 28.2127, -14.4810

Details

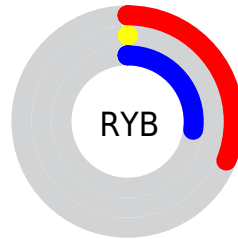
The CIELCh color **16, 45.974, 332.809** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 48.533, 138.330**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 45.889, 332.653**, and **3, 18.695, 332.216** is the 20% darker color. If you saturate the color by 10%, you get **16, 45.664, 332.816**, and if you desaturate by 10%, it is **17, 43.226, 332.355**.

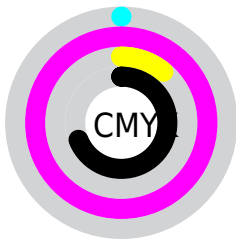
Distribution



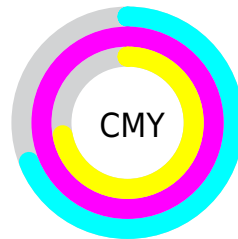
- Red (31%)
- Green (0%)
- Blue (27%)



- Red (31%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (69%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 45.974, 332.809 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, 45.974, 332.809 by changing the saturation by 10% instead.

 16, 45.974,
332.809


 16, 45.974,
332.809


 100, 45.974,
332.809


 6, 45.974, 332.809


 36, 45.974,
332.809

 0, 45.974, 332.809

 46, 45.974,
332.809


 56, 45.974,
332.809


 66, 45.974,
332.809


 76, 45.974,
332.809


 86, 45.974,


332.809


 96, 45.974,
332.809


 16, 45.974,
332.809


 16, 45.974,
332.809


 16, 45.664,
332.816

 17, 43.226,
332.355

 18, 40.657,
331.871

 19, 37.165,
331.376

 21, 32.866,
330.865

 23, 27.957,
330.339

■ 25, 22.631,
329.802

■ 27, 17.057,
329.258

■ 29, 11.367,
328.713

■ 31, 5.659, 328.165

Harmonies

Complementary

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



16, 45.974, 332.809



28, 48.533, 138.330

Rectangle

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



16, 45.974, 332.809



16, 45.974, 22.809



16, 45.974, 152.809



16, 45.974, 202.809

Sweetspot

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



16, 45.664, 332.816



35, 21.017, 329.315



6, 55.470, 306.339



15, 14.149, 329.434



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, 45.664, 332.816



22, 54.237, 332.994



14, 36.168, 6.659



15, 3.239, 328.095



23, 55.175, 333.010



54, 98.374, 333.386

Inverse Universe

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



16, 45.664, 332.816



22, 54.237, 332.994



29, 32.814, 157.025



15, 3.239, 328.095



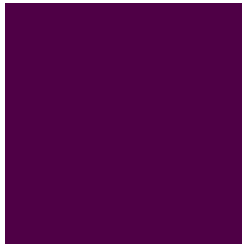
23, 55.175, 333.010



54, 98.374, 333.386

Previews

White Background



This preview shows how the CIELCh color 16, 45.974, 332.809 looks on a white background.

Color Contrast Check

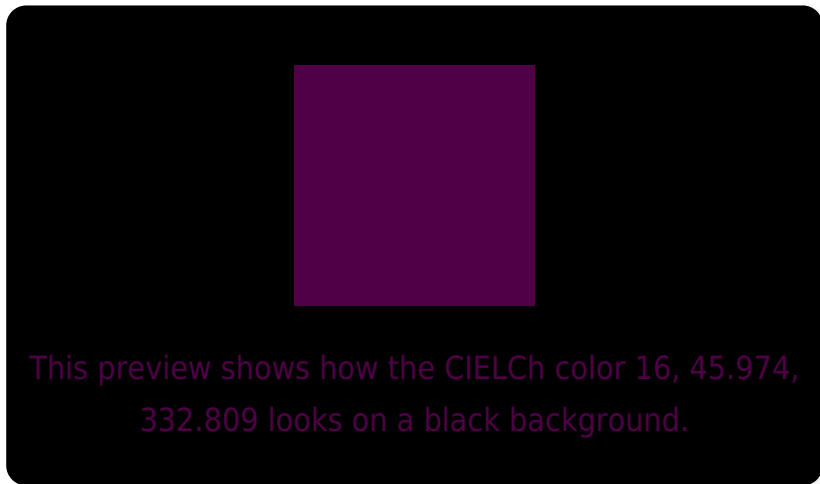
Large Text (above 18pt) WCAG AA ✓ Pass

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

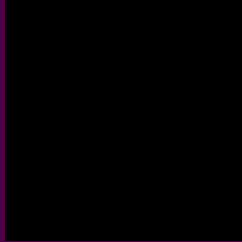
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 45.974, 332.809

Background



This preview shows how black text looks on a background with the CIELCh color 16, 45.974, 332.809.



This preview shows how white text looks on a background with the CIELCh color 16, 45.974, 332.809.

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, 45.543, 332.864

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 15.458, 279.998



Tritanopia
18, 24.763, 25.067

Trichromacy



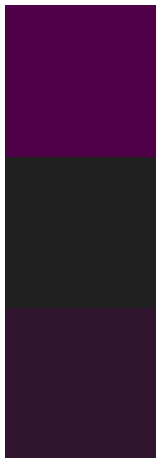
Original Color
16, 45.543, 332.864

Protanomaly
14, 39.451, 300.640

Deuteranomaly
15, 29.076, 313.238

Tritanomaly
16, 30.046, 356.782

Monochromacy



Original Color
16, 45.543, 332.864

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, 45.974, 332.809 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 45.974, 332.809 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, 70) }
```

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

```
.border{ border-color:rgb(79, 0, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 0, 70); box-shadow:4px  
4px 4px 4px rgb(79, 0, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 45.974, 332.809 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, 70) }
```

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

```
.background{ background-color: rgb(79, 0,  
70) }
```

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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