

Converting Colors

CIELCh(17, 40.531, 333.786)

Have a look what the booklet for
CIELCh(17, 40.531, 333.786)
contains.

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Color

CIELCh(17, 40.372, 333.719)

Conversions

Conversions Part 1

Format	Color
Hex	4E0C44
RGB	78, 12, 68
RGB Percent	31%, 5%, 27%
CMY	0.6940, 0.9528, 0.7332
CMYK	0.00, 0.85, 0.13, 0.69
HSL	309°, 73%, 18%
HSV	309°, 85%, 31%
XYZ	4.3202, 2.3023, 5.6897
YIQ	38.1180, 21.3600, 31.4080

Conversions

Conversions Part 2

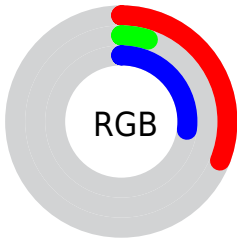
Format	Color
R_{YB}	78, 12, 68
Decimal	5114948
CIE _{Lab}	17.00, 36.20, -17.88
CIE _{LCh}	17, 40.372, 333.719
Yxy	2.3023, 0.3509, 0.1870
Android (android.graphics.Color)	4283305028 (0xFF4E0C44)
YUV	38.1180, 14.7318, 34.9765
Hunter-Lab	15.1734, 24.2696, -11.6111




Details

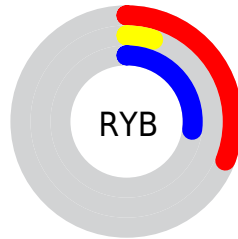
The CIELCh color **17, 40.372, 333.719** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 42.230, 140.832**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 40.289, 334.192**, and **3, 18.107, 333.904** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.664, 334.318**, and if you desaturate by 10%, it is **18, 37.423, 333.123**.

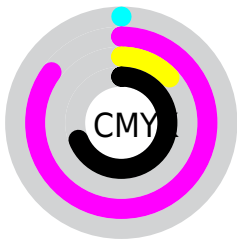
Distribution







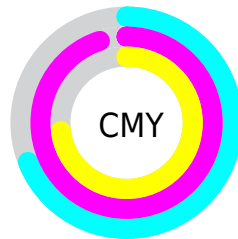
-  Red (31%)
-  Green (5%)
-  Blue (27%)






-  Red (31%)
-  Yellow (5%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (85%)
-  Yellow (13%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (95%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 40.372, 333.719 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 17, 40.372, 333.719 by changing the saturation by 10% instead.

■ 17, 40.372,
333.719

■ 17, 40.372,
333.719

■ 100, 40.372,
333.719

■ 7, 40.372, 333.719

■ 37, 40.372,
333.719

■ 0, 40.372, 333.719

■ 47, 40.372,
333.719


■ 57, 40.372,
333.719


■ 67, 40.372,
333.719


■ 77, 40.372,
333.719


■ 87, 40.372,


333.719


 97, 40.372,
333.719


 17, 40.372,
333.719


 17, 40.372,
333.719


 16, 42.664,
334.318


 18, 37.423,
333.123

 16, 43.979,
334.625

 20, 33.612,
332.538

 21, 29.123,
331.957

 23, 24.151,
331.378

 25, 18.874,
330.802

■ 27, 13.435,
330.231

■ 30, 7.944, 329.665

■ 32, 2.479, 329.078

■ 35, 2.908, 148.662

Harmonies

Complementary

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



17, 40.372, 333.719



28, 42.230, 140.832

Rectangle

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



17, 40.372, 333.719



17, 40.372, 23.719



17, 40.372, 153.719



17, 40.372, 203.719

Sweetspot

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



17, 40.371, 333.719



36, 17.062, 330.308



9, 46.977, 305.149



16, 11.494, 330.412



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 40.371, 333.719



22, 52.715, 334.902



16, 31.933, 6.129



14, 2.983, 329.326



53, 94.640, 335.466

Inverse Universe

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



17, 40.371, 333.719



22, 52.715, 334.902



29, 27.444, 162.833



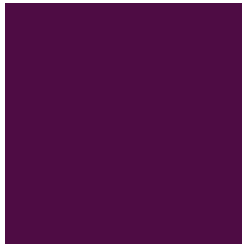
14, 2.983, 329.326



53, 94.640, 335.466

Previews

White Background



This preview shows how the CIE LCh color 17, 40.372, 333.719 looks on a white background.

Color Contrast Check

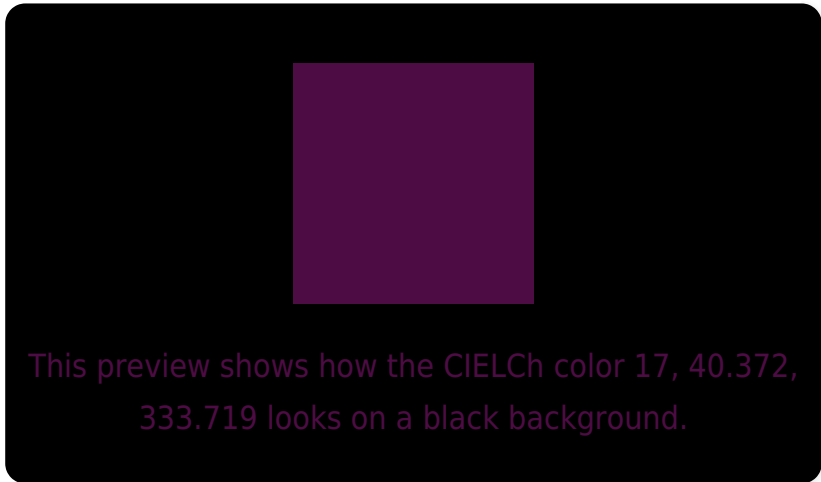
Large Text (above 18pt) WCAG AA ✓ Pass

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

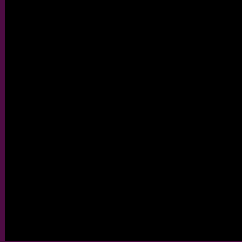
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 40.372, 333.719

Background



This preview shows how black text looks on a background with the CIELCh color 17, 40.372, 333.719.



This preview shows how white text looks on a background with the CIELCh color 17, 40.372, 333.719.

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

17, 40.372, 333.719

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 14.008, 280.905



Tritanopia
18, 24.574, 23.549

Trichromacy



Original Color
17, 40.372, 333.719

Protanomaly
15, 35.718, 297.135

Deuteranomaly
16, 24.212, 313.706

Tritanomaly
17, 27.778, 357.949

Monochromacy



Original Color
17, 40.372, 333.719

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 17.618, 331.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 40.372, 333.719 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, 12, 68)` looks like.

```
.text, #text, p{  
    color:rgb(78, 12, 68)  
}
```

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, 12, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 12, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 40.372, 333.719 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, 12, 68) }
```

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

```
.border{ border-color:rgb(78, 12, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 12, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 12, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 12, 68);  
box-shadow:4px 4px 4px 4px rgb(78, 12, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 40.372, 333.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 12, 68) }
```

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

```
.background{ background-color: rgb(78, 12,  
68) }
```

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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