

Converting Colors

CIELCh(17, 45.705, 334.076)

Have a look what the booklet for
CIELCh(17, 45.705, 334.076)
contains.

CIELCh(17, 45.706, 334.370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(17, 45.706, 334.370)

Conversions

Conversions Part 1

Format	Color
Hex	530147
RGB	83, 1, 71
RGB Percent	33%, 0%, 28%
CMY	0.6751, 0.9968, 0.7221
CMYK	0.00, 0.99, 0.14, 0.68
HSL	309°, 98%, 16%
HSV	309°, 99%, 32%
XYZ	4.6944, 2.3023, 6.1333
YIQ	33.4980, 26.4020, 39.1540

Conversions

Conversions Part 2

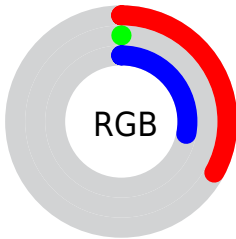
Format	Color
R_{YB}	83, 1, 71
Decimal	5439815
CIE _{Lab}	17.00, 41.21, -19.77
CIE _{LCh}	17, 45.706, 334.370
Yxy	2.3023, 0.3575, 0.1753
Android (android.graphics.Color)	4283629895 (0xFF530147)
YUV	33.4980, 18.4885, 43.4133
Hunter-Lab	15.1734, 28.6717, -13.3445

Details

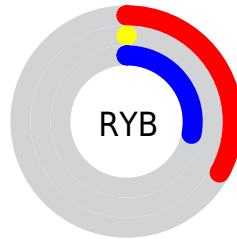
The CIELCh color **17, 45.706, 334.370** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 49.103, 138.949**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 45.784, 334.025**, and **4, 21.744, 337.685** is the 20% darker color. If you saturate the color by 10%, you get **17, 45.941, 334.425**, and if you desaturate by 10%, it is **18, 43.420, 333.793**.

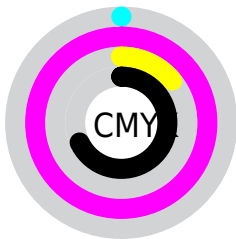
Distribution



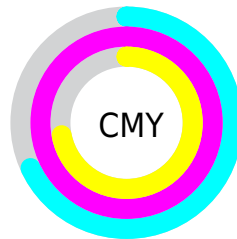
- Red (33%)
- Green (0%)
- Blue (28%)



- Red (33%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (14%)
- Black (68%)





- Cyan (68%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 45.706, 334.370 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, 45.706, 334.370 by changing the saturation by 10% instead.

 17, 45.706,
334.370


 17, 45.706,
334.370


 100, 45.706,
334.370


 7, 45.706, 334.370


 37, 45.706,
334.370

 0, 45.706, 334.370

 47, 45.706,
334.370


 57, 45.706,
334.370


 67, 45.706,
334.370


 77, 45.706,
334.370


 87, 45.706,


334.370


 97, 45.706,
334.370


 17, 45.706,
334.370


 17, 45.706,
334.370

 17, 45.941,
334.425

 18, 43.420,
333.793

 19, 40.832,
333.200

 20, 37.254,
332.619

 22, 32.852,
332.042

 24, 27.835,
331.466

■ 26, 22.404,
330.889

■ 28, 16.732,
330.314

■ 31, 10.954,
329.745

■ 33, 5.168, 329.175

Harmonies

Complementary

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



17, 45.706, 334.370



30, 49.103, 138.949

Rectangle

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



17, 45.706, 334.370



17, 45.706, 24.370



17, 45.706, 154.370



17, 45.706, 204.370

Sweetspot

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



17, 45.704, 334.370



36, 21.382, 330.429



6, 57.105, 306.817



16, 14.407, 330.563



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 45.704, 334.370



23, 54.743, 334.668



15, 37.088, 9.705



15, 3.164, 329.157



23, 53.836, 334.647



53, 95.830, 335.169

Inverse Universe

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



17, 45.704, 334.370



23, 54.743, 334.668



30, 32.464, 159.162



15, 3.164, 329.157



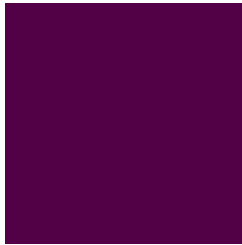
23, 53.836, 334.647



53, 95.830, 335.169

Previews

White Background



This preview shows how the CIELCh color 17, 45.706, 334.370 looks on a white background.

Color Contrast Check

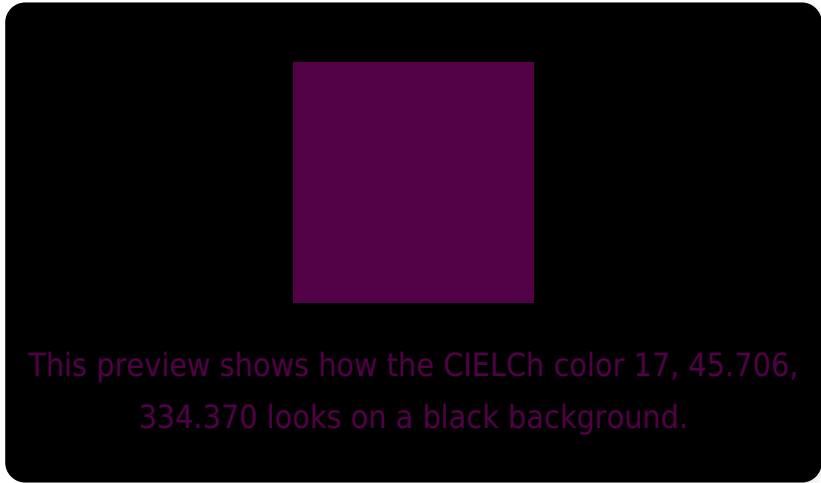
Large Text (above 18pt) WCAG AA ✓ Pass

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

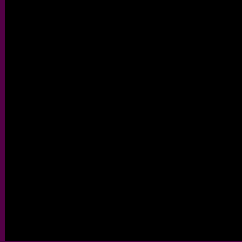
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 45.706, 334.370

Background



This preview shows how black text looks on a background with the CIELCh color 17, 45.706, 334.370.



This preview shows how white text looks on a background with the CIELCh color 17, 45.706, 334.370.

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, 45.706, 334.370

Protanopia

18, 34.666, 283.872

Deuteranopia

19, 13.922, 280.703



Tritanopia
18, 26.568, 24.352

Trichromacy



Original Color
17, 45.706, 334.370

Protanomaly
14, 40.630, 300.675

Deuteranomaly
16, 27.850, 315.660

Tritanomaly
17, 31.163, 357.480

Monochromacy



Original Color
17, 45.706, 334.370

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 22.273, 331.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 45.706, 334.370 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(83, 1, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 1, 71)  
}
```

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(83, 1, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 1, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 45.706, 334.370 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(83, 1, 71) }
```

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

```
.border{ border-color:rgb(83, 1, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 1, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 1, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 1, 71); box-shadow:4px  
4px 4px 4px rgb(83, 1, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 45.706, 334.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 1, 71) }
```

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

```
.background{ background-color: rgb(83, 1,  
71) }
```

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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