

Converting Colors

CIELCh(17, 47.445, 333.004)

Have a look what the booklet for
CIELCh(17, 47.445, 333.004)
contains.

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Color

CIELCh(17, 46.854, 333.204)

Conversions

Conversions Part 1

Format	Color
Hex	530049
RGB	83, 0, 73
RGB Percent	33%, 0%, 29%
CMY	0.6754, 1.0000, 0.7145
CMYK	0.00, 1.00, 0.12, 0.68
HSL	307°, 100%, 16%
HSV	307°, 100%, 32%
XYZ	4.7417, 2.3023, 6.4636
YIQ	33.1390, 26.0350, 40.2990

Conversions

Conversions Part 2

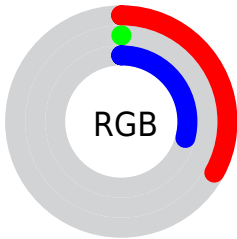
Format	Color
R_YB	83, 0, 73
Decimal	5439561
CIE _{Lab}	17.00, 41.82, -21.12
CIE _{LCh}	17, 46.854, 333.204
Yxy	2.3023, 0.3510, 0.1704
Android (android.graphics.Color)	4283629641 (0xFF530049)
YUV	33.1390, 19.6515, 43.7281
Hunter-Lab	15.1734, 29.2279, -14.6349

Details

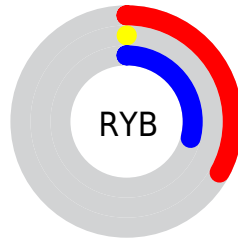
The CIELCh color **17, 46.854, 333.204** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 49.956, 138.375**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 46.587, 332.991**, and **4, 22.829, 334.795** is the 20% darker color. If you saturate the color by 10%, you get **17, 46.769, 333.207**, and if you desaturate by 10%, it is **18, 44.403, 332.717**.

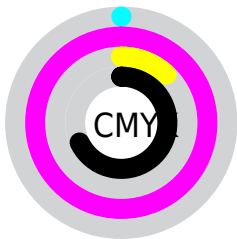
Distribution



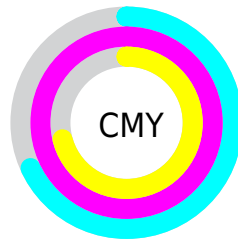
- Red (33%)
- Green (0%)
- Blue (29%)



- Red (33%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (68%)





- Cyan (68%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 46.854, 333.204 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, 46.854, 333.204 by changing the saturation by 10% instead.

 17, 46.854,
333.204


 17, 46.854,
333.204

 100, 46.854,
333.204


 7, 46.854, 333.204

 37, 46.854,
333.204

 0, 46.854, 333.204

 47, 46.854,
333.204

 57, 46.854,
333.204


 67, 46.854,
333.204


 77, 46.854,
333.204


 87, 46.854,

333.204


 97, 46.854,
333.204


 17, 46.854,
333.204


 17, 46.854,
333.204

 17, 46.769,
333.207

 18, 44.403,
332.717

 19, 41.835,
332.206

 20, 38.280,
331.689

 22, 33.876,
331.162

 24, 28.830,
330.622

■ 26, 23.344,
330.074

■ 28, 17.596,
329.520

■ 30, 11.726,
328.967

■ 33, 5.838, 328.411

Harmonies

Complementary

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



17, 46.854, 333.204



30, 49.956, 138.375

Rectangle

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



17, 46.854, 333.204



17, 46.854, 23.204



17, 46.854, 153.204



17, 46.854, 203.204

Sweetspot

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



17, 46.769, 333.207



36, 21.762, 329.577



6, 57.643, 306.774



16, 14.662, 329.707



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, 46.769, 333.207



23, 55.787, 333.398



15, 37.294, 8.496



15, 3.221, 328.338



23, 54.859, 333.381



54, 97.773, 333.789

Inverse Universe

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



17, 46.769, 333.207



23, 55.787, 333.398



30, 33.288, 157.920



15, 3.221, 328.338



23, 54.859, 333.381



54, 97.773, 333.789

Previews

White Background



This preview shows how the CIELCh color 17, 46.854, 333.204 looks on a white background.

Color Contrast Check

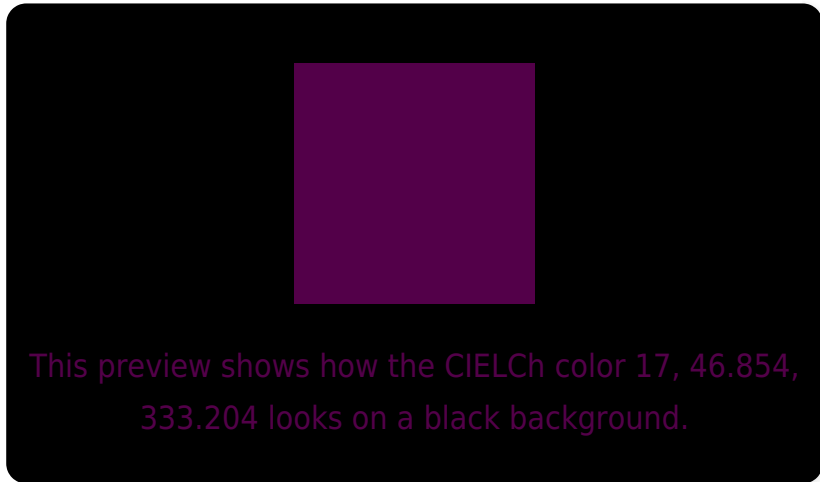
Large Text (above 18pt) WCAG AA ✓ Pass

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

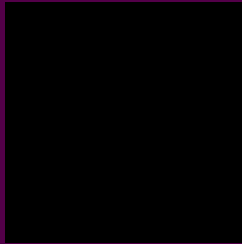
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 46.854, 333.204

Background



This preview shows how black text looks on a background with the CIELCh color 17, 46.854, 333.204.



This preview shows how white text looks on a background with the CIELCh color 17, 46.854, 333.204.

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, 46.854, 333.204

Protanopia

19, 33.978, 282.868

Deuteranopia

19, 15.366, 279.759



Tritanopia
19, 26.181, 25.414

Trichromacy



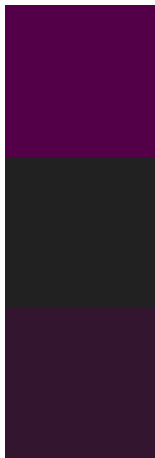
Original Color
17, 46.854, 333.204

Protanomaly
15, 39.891, 300.123

Deuteranomaly
16, 29.745, 314.328

Tritanomaly
17, 31.322, 356.279

Monochromacy



Original Color
17, 46.854, 333.204

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, 46.854, 333.204 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, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 73)  
}
```

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, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 46.854, 333.204 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, 0, 73) }
```

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

```
.border{ border-color:rgb(83, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 73); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 73); box-shadow:4px  
4px 4px 4px rgb(83, 0, 73) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 46.854, 333.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 73) }
```

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

```
.background{ background-color: rgb(83, 0,  
73) }
```

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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