

Converting Colors

CIELCh(17, 50.117, 322.382)

Have a look what the booklet for
CIELCh(17, 50.117, 322.382)
contains.

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Color

CIELCh(17, 50.199, 322.388)

Conversions

Conversions Part 1

Format	Color
Hex	4A0857
RGB	74, 8, 87
RGB Percent	29%, 3%, 34%
CMY	0.7115, 0.9670, 0.6605
CMYK	0.15, 0.90, 0.00, 0.66
HSL	290°, 82%, 19%
HSV	290°, 90%, 34%
XYZ	4.5845, 2.3023, 9.1284
YIQ	36.7400, 13.9770, 38.5610

Conversions

Conversions Part 2

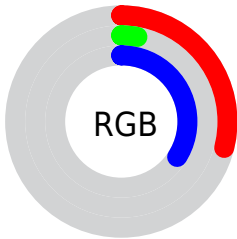
Format	Color
RYB	74, 8, 87
Decimal	4851799
CIELab	17.00, 39.77, -30.64
CIElCh	17, 50.199, 322.388
Yxy	2.3023, 0.2863, 0.1438
Android (android.graphics.Color)	4283041879 (0xFF4A0857)
YUV	36.7400, 24.7782, 32.6770
Hunter-Lab	15.1734, 27.3786, -25.0476

Details

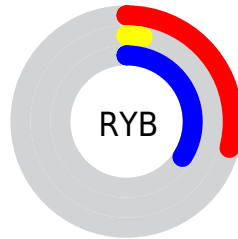
The CIELCh color **17, 50.199, 322.388** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 50.083, 134.873**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 50.433, 322.753**, and **4, 28.363, 315.257** is the 20% darker color. If you saturate the color by 10%, you get **16, 53.281, 322.344**, and if you desaturate by 10%, it is **18, 46.859, 322.437**.

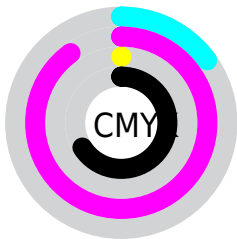
Distribution



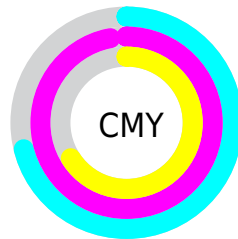
- Red (29%)
- Green (3%)
- Blue (34%)



- Red (29%)
- Yellow (3%)
- Blue (34%)



- Cyan (15%)
- Magenta (90%)
- Yellow (0%)
- Black (66%)



- Cyan (71%)
- Magenta (97%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 50.199, 322.388 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, 50.199, 322.388 by changing the saturation by 10% instead.

■ 17, 50.199,
322.388

■ 17, 50.199,
322.388

■ 100, 50.199,
322.388

■ 7, 50.199, 322.388

■ 37, 50.199,
322.388

■ 0, 50.199, 322.388

■ 47, 50.199,
322.388

■ 57, 50.199,
322.388

■ 67, 50.199,
322.388


■ 77, 50.199,
322.388


■ 87, 50.199,

322.388


 97, 50.199,
322.388


 17, 50.199,
322.388


 17, 50.199,
322.388

 16, 53.281,
322.344

 18, 46.859,
322.437

 20, 42.504,
322.342

 22, 37.330,
322.127

 24, 31.577,
321.825

 26, 25.460,
321.462

■ 29, 19.151,
321.062

■ 31, 12.778,
320.642

■ 34, 6.433, 320.212

■ 37, 0.174, 319.133

Harmonies

Complementary

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



17, 50.199, 322.388



32, 50.083, 134.873

Rectangle

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



17, 50.199, 322.388



17, 50.199, 12.388



17, 50.199, 142.388



17, 50.199, 192.388

Sweetspot

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



17, 50.198, 322.388



38, 21.143, 320.963



11, 46.400, 299.355



18, 14.098, 321.040



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



17, 50.198, 322.388



22, 63.929, 322.160



18, 39.892, 344.113



16, 3.504, 320.146



21, 61.847, 322.190



49, 110.094, 321.806

Inverse Universe

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



17, 37.850, 23.822



22, 50.628, 29.225



32, 42.118, 145.444



16, 2.178, 6.484



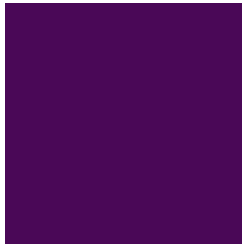
21, 48.824, 28.848



49, 89.962, 32.700

Previews

White Background



This preview shows how the CIELCh color 17, 50.199, 322.388 looks on a white background.

Color Contrast Check

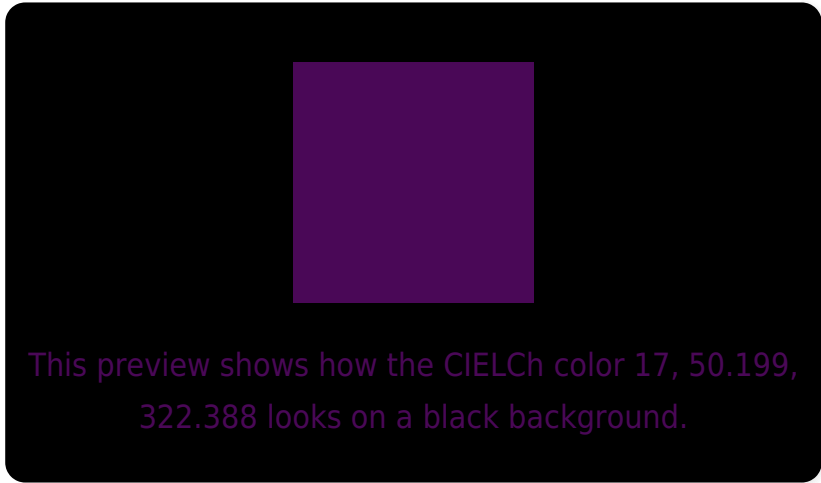
Large Text (above 18pt) WCAG AA ✓ Pass

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

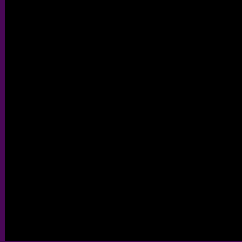
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 50.199, 322.388

Background



This preview shows how black text looks on a background with the CIELCh color 17, 50.199, 322.388.



This preview shows how white text looks on a background with the CIELCh color 17, 50.199, 322.388.

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, 50.539, 322.447

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 25.437, 272.416



Tritanopia
18, 16.417, 19.024

Trichromacy



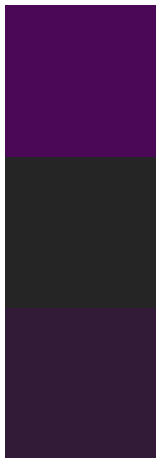
Original Color
17, 50.539, 322.447

Protanomaly
15, 41.164, 298.926

Deuteranomaly
15, 35.075, 296.574

Tritanomaly
17, 27.018, 339.718

Monochromacy



Original Color
17, 50.539, 322.447

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 21.916, 321.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 50.199, 322.388 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(74, 8, 87)` looks like.

```
.text, #text, p{  
    color:rgb(74, 8, 87)  
}
```

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(74, 8, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 8, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 50.199, 322.388 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(74, 8, 87) }
```

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

```
.border{ border-color:rgb(74, 8, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 8, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 8, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 8, 87); box-shadow:4px  
4px 4px 4px rgb(74, 8, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 50.199, 322.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 8, 87) }
```

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

```
.background{ background-color: rgb(74, 8,  
87) }
```

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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