

Converting Colors

CIELCh(15, 48.112, 343.267)

Have a look what the booklet for
CIELCh(15, 48.112, 343.267)
contains.

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Color

CIELCh(17, 41.800, 344.972)

Conversions

Conversions Part 1

Format	Color
Hex	56003A
RGB	86, 0, 58
RGB Percent	34%, 0%, 23%
CMY	0.6618, 0.9990, 0.7718
CMYK	0.00, 1.00, 0.33, 0.66
HSL	320°, 99%, 17%
HSV	320°, 100%, 34%
XYZ	4.6304, 2.3023, 4.2297
YIQ	32.3260, 32.6380, 36.2700

Conversions

Conversions Part 2

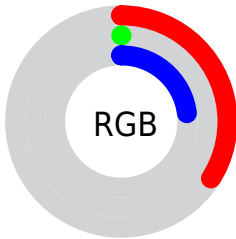
Format	Color
R_{YB}	86, 0, 58
Decimal	5636154
CIE _{Lab}	17.00, 40.37, -10.84
CIE _{LCh}	17, 41.800, 344.972
Yxy	2.3023, 0.4148, 0.2063
Android (android.graphics.Color)	4283826234 (0xFF56003A)
YUV	32.3260, 12.6573, 47.0721
Hunter-Lab	15.1734, 27.9180, -5.9060

Details

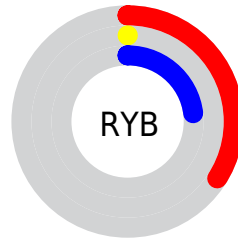
The CIELCh color **17, 41.800, 344.972** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 45.298, 143.779**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 41.957, 344.973**, and **4, 18.695, 1.244** is the 20% darker color. If you saturate the color by 10%, you get **17, 41.861, 345.013**, and if you desaturate by 10%, it is **18, 39.843, 343.559**.

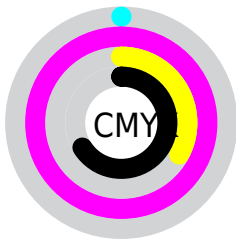
Distribution



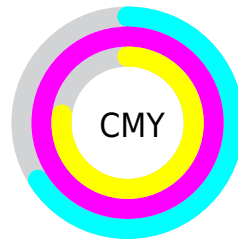
- Red (34%)
- Green (0%)
- Blue (23%)



- Red (34%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (66%)



- Cyan (66%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 41.800, 344.972 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, 41.800, 344.972 by changing the saturation by 10% instead.

■ 17, 41.800,
344.972

■ 17, 41.800,
344.972

■ 100, 41.800,
344.972

■ 7, 41.800, 344.972

■ 37, 41.800,
344.972

■ 0, 41.800, 344.972

■ 47, 41.800,
344.972


■ 57, 41.800,
344.972


■ 67, 41.800,
344.972


■ 77, 41.800,
344.972


■ 87, 41.800,


344.972


 97, 41.800,
344.972


 17, 41.800,
344.972


 17, 41.800,
344.972

 17, 41.861,
345.013

 18, 39.843,
343.559

 19, 37.640,
342.159

 21, 34.448,
340.964

 22, 30.440,
339.924

 24, 25.835,
338.996

■ 27, 20.843,
338.151

■ 29, 15.635,
337.371

■ 31, 10.343,
336.641

■ 34, 5.060, 335.943

Harmonies

Complementary

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



17, 41.800, 344.972



31, 45.298, 143.779

Rectangle

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



17, 41.800, 344.972



17, 41.800, 34.972



17, 41.800, 164.972



17, 41.800, 214.972

Sweetspot

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



17, 41.798, 344.973



38, 19.625, 337.470



8, 58.046, 309.281



17, 13.240, 337.660



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, 41.798, 344.973



24, 50.015, 345.767



16, 40.697, 25.220



16, 2.931, 335.880



22, 48.441, 345.643



52, 85.035, 347.236

Inverse Universe

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



17, 41.798, 344.973



24, 50.015, 345.767



32, 27.119, 174.070



16, 2.931, 335.880



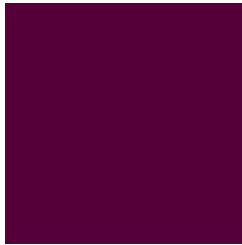
22, 48.441, 345.643



52, 85.035, 347.236

Previews

White Background



This preview shows how the CIELCh color 17, 41.800, 344.972 looks on a white background.

Color Contrast Check

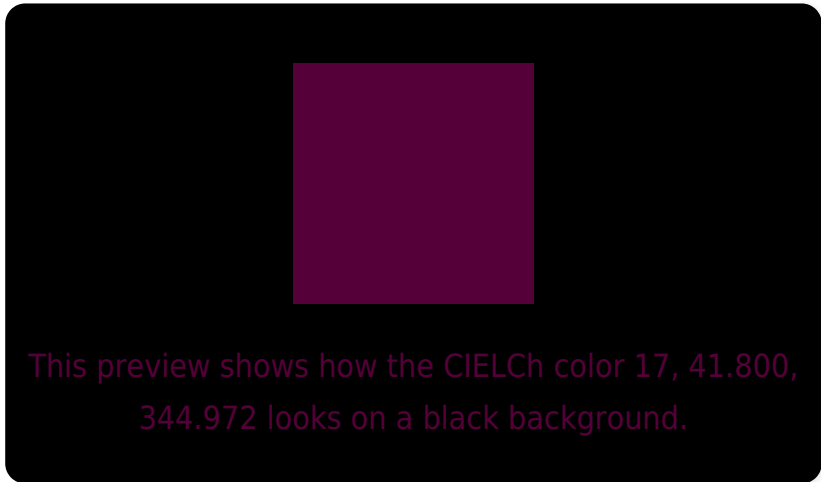
Large Text (above 18pt) WCAG AA ✓ Pass

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

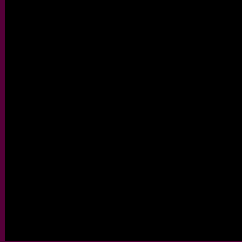
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 41.800, 344.972

Background



This preview shows how black text looks on a background with the CIELCh color 17, 41.800, 344.972.



This preview shows how white text looks on a background with the CIELCh color 17, 41.800, 344.972.

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, 41.800, 344.972

Protanopia

19, 26.198, 284.934

Deuteranopia

19, 6.261, 299.845



Tritanopia
18, 32.138, 28.227

Trichromacy



Original Color
17, 41.800, 344.972

Protanomaly
16, 32.056, 310.177

Deuteranomaly
16, 22.900, 331.881

Tritanomaly
17, 33.530, 9.847

Monochromacy



Original Color
17, 41.800, 344.972

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 20.197, 339.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 41.800, 344.972 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(86, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 58)  
}
```

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(86, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 41.800, 344.972 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(86, 0, 58) }
```

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

```
.border{ border-color:rgb(86, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 58); box-shadow:4px  
4px 4px 4px rgb(86, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 41.800, 344.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 58) }
```

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

```
.background{ background-color: rgb(86, 0,  
58) }
```

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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