

Converting Colors

CIELCh(17, 42.879, 340.677)

Have a look what the booklet for
CIELCh(17, 42.879, 340.677)
contains.

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Color

CIELCh(17, 42.901, 340.697)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 55013F |
| RGB | 85, 1, 63 |
| RGB Percent | 33%, 0%, 25% |
| CMY | 0.6671, 0.9966, 0.7533 |
| CMYK | 0.00, 0.99, 0.26, 0.67 |
| HSL | 316°, 98%, 17% |
| HSV | 316°, 99%, 33% |
| XYZ | 4.6394, 2.3023, 4.8874 |
| YIQ | 33.1840, 30.1620, 37.0900 |

Conversions

Conversions Part 2

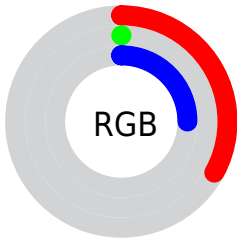
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 85, 1, 63 |
| Decimal | 5570879 |
| CIE _{Lab} | 17.00, 40.49, -14.18 |
| CIE _{LCh} | 17, 42.901, 340.697 |
| Yxy | 2.3023, 0.3922, 0.1946 |
| Android (android.graphics.Color) | 4283760959 (0xFF55013F) |
| YUV | 33.1840, 14.6993, 45.4426 |
| Hunter-Lab | 15.1734, 28.0244, -8.4760 |

Details

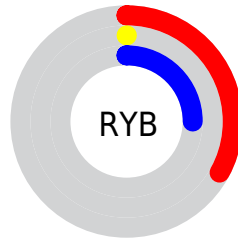
The CIELCh color **17, 42.901, 340.697** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 46.680, 141.837**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 43.051, 340.650**, and **4, 19.362, 350.759** is the 20% darker color. If you saturate the color by 10%, you get **17, 43.121, 340.801**, and if you desaturate by 10%, it is **18, 40.870, 339.631**.

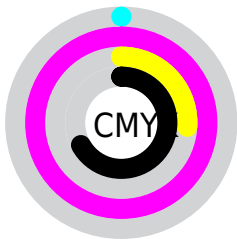
Distribution



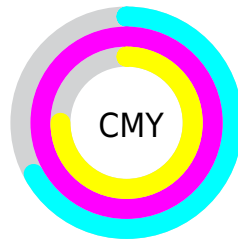
- Red (33%)
- Green (0%)
- Blue (25%)



- Red (33%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (26%)
- Black (67%)





- Cyan (67%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 42.901, 340.697 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, 42.901, 340.697 by changing the saturation by 10% instead.

 17, 42.901,
340.697


 17, 42.901,
340.697


 100, 42.901,
340.697


 7, 42.901, 340.697

 37, 42.901,
340.697

 0, 42.901, 340.697

 47, 42.901,
340.697

 57, 42.901,
340.697

 67, 42.901,
340.697


 77, 42.901,
340.697


 87, 42.901,


340.697


 97, 42.901,
340.697


 17, 42.901,
340.697


 17, 42.901,
340.697


 17, 43.121,
340.801

 18, 40.870,
339.631

 19, 38.515,
338.574

 21, 35.166,
337.640

 22, 31.005,
336.796

 24, 26.249,
336.016

■ 26, 21.104,
335.284

■ 29, 15.739,
334.591

■ 31, 10.285,
333.928

■ 34, 4.837, 333.284

Harmonies

Complementary

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



17, 42.901, 340.697



31, 46.680, 141.837

Rectangle

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



17, 42.901, 340.697



17, 42.901, 30.697



17, 42.901, 160.697



17, 42.901, 210.697

Sweetspot

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



17, 42.899, 340.697



37, 20.127, 334.728



8, 57.574, 308.263



17, 13.835, 334.904



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, 42.899, 340.697



23, 51.273, 341.335



15, 38.887, 20.093



16, 3.069, 333.273



23, 50.449, 341.289



53, 88.651, 342.430

Inverse Universe

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



17, 42.899, 340.697



23, 51.273, 341.335



31, 28.866, 167.981



16, 3.069, 333.273



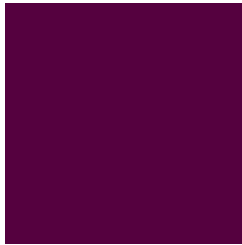
23, 50.449, 341.289



53, 88.651, 342.430

Previews

White Background



This preview shows how the CIELCh color 17, 42.901, 340.697 looks on a white background.

Color Contrast Check

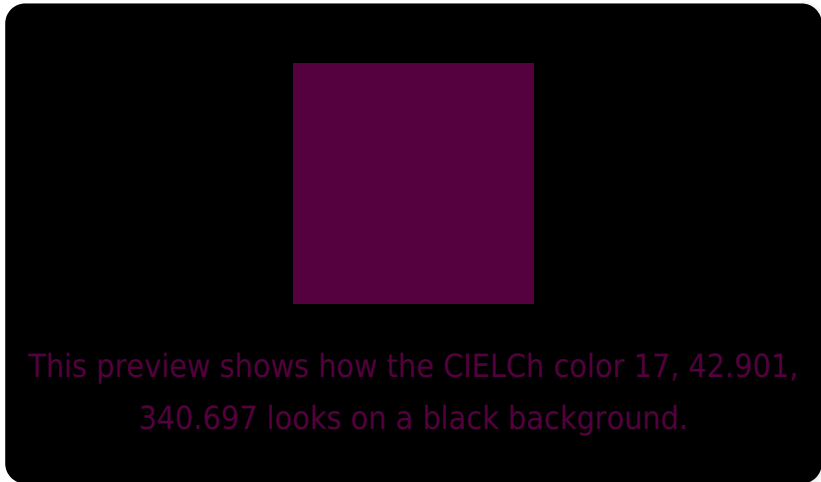
Large Text (above 18pt) WCAG AA ✓ Pass

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

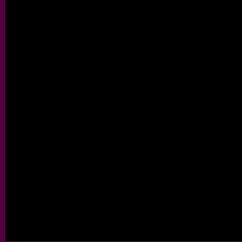
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 42.901, 340.697

Background



This preview shows how black text looks on a background with the CIELCh color 17, 42.901, 340.697.



This preview shows how white text looks on a background with the CIELCh color 17, 42.901, 340.697.

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, 42.901, 340.697

Protanopia

19, 31.061, 285.409

Deuteranopia

19, 9.615, 289.991



Tritanopia
18, 30.009, 27.224

Trichromacy



Original Color
17, 42.901, 340.697

Protanomaly
15, 36.541, 306.130

Deuteranomaly
16, 24.573, 325.838

Tritanomaly
17, 32.443, 5.693

Monochromacy



Original Color
17, 42.901, 340.697

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 21.066, 336.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 42.901, 340.697 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(85, 1, 63)` looks like.

```
.text, #text, p{  
    color:rgb(85, 1, 63)  
}
```

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(85, 1, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 1, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 42.901, 340.697 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(85, 1, 63) }
```

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

```
.border{ border-color:rgb(85, 1, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 1, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 1, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 1, 63); box-shadow:4px  
4px 4px 4px rgb(85, 1, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 42.901, 340.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 1, 63) }
```

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

```
.background{ background-color: rgb(85, 1,  
63) }
```

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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