

Converting Colors

CIELCh(17, 35.905, 2.699)

Have a look what the booklet for
CIELCh(17, 35.905, 2.699) contains.

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Color

CIELCh(17, 36.093, 2.480)

Conversions

Conversions Part 1

Format	Color
Hex	560829
RGB	86, 8, 41
RGB Percent	34%, 3%, 16%
CMY	0.6632, 0.9692, 0.8396
CMYK	0.00, 0.91, 0.52, 0.66
HSL	335°, 83%, 18%
HSV	335°, 91%, 34%
XYZ	4.3101, 2.3023, 2.3060
YIQ	35.0840, 35.8950, 26.7990

Conversions

Conversions Part 2

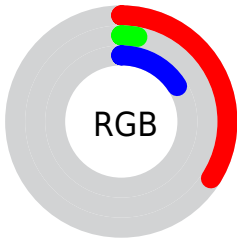
Format	Color
RYB	86, 8, 41
Decimal	5638185
CIELab	17.00, 36.06, 1.56
CIELCh	17, 36.093, 2.480
Yxy	2.3023, 0.4833, 0.2582
Android (android.graphics.Color)	4283828265 (0xFF560829)
YUV	35.0840, 2.9166, 44.6533
Hunter-Lab	15.1734, 24.1503, 1.6106




Details

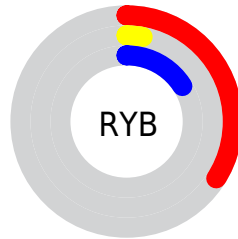
The CIELCh color **17, 36.093, 2.480** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 33.488, 156.815**, and the grayscale version is **14, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 36.295, 2.483**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.234, 5.175**, and if you desaturate by 10%, it is **18, 33.781, 359.460**.

Distribution







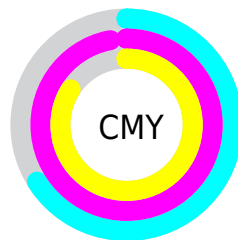
-  Red (34%)
-  Green (3%)
-  Blue (16%)






-  Red (34%)
-  Yellow (3%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (91%)
-  Yellow (52%)
-  Black (66%)



-  Cyan (66%)
-  Magenta (97%)
-  Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 36.093, 2.480 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, 36.093, 2.480 by changing the saturation by 10% instead.

 17, 36.093, 2.480  17, 36.093, 2.480

 100, 36.093, 2.480  7, 36.093, 2.480

 37, 36.093, 2.480  0, 36.093, 2.480

 47, 36.093, 2.480

 57, 36.093, 2.480

 67, 36.093, 2.480

 77, 36.093, 2.480

 87, 36.093, 2.480

 97, 36.093, 2.480

 17, 36.093, 2.480  17, 36.093, 2.480

■ 16, 38.234, 5.175

■ 18, 33.781,
359.460

■ 20, 30.716,
357.005

■ 21, 27.003,
355.015

■ 24, 22.834,
353.375

■ 26, 18.395,
351.994

■ 28, 13.835,
350.808

■ 31, 9.267, 349.767

■ 34, 4.765, 348.828

■ 36, 0.373, 347.423

Harmonies

Complementary

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



17, 36.093, 2.480



32, 33.488, 156.815

Rectangle

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



17, 36.093, 2.480



17, 36.093, 52.480



17, 36.093, 182.480



17, 36.093, 232.480

Sweetspot

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



17, 36.091, 2.481



38, 15.061, 350.490



13, 51.331, 314.297



18, 10.053, 350.690



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, 36.091, 2.481



23, 46.084, 6.933



17, 39.486, 34.961



16, 2.469, 348.639



21, 44.587, 6.652



50, 79.446, 10.232

Inverse Universe

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



17, 36.091, 2.481



23, 46.084, 6.933



31, 20.303, 206.216



16, 2.469, 348.639



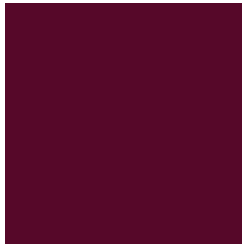
21, 44.587, 6.652



50, 79.446, 10.232

Previews

White Background



This preview shows how the CIELCh color 17, 36.093, 2.480 looks on a white background.

Color Contrast Check

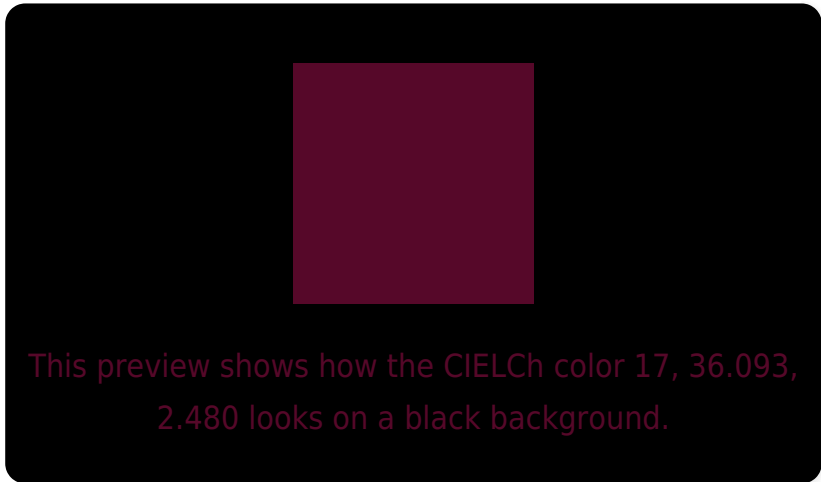
Large Text (above 18pt) WCAG AA ✓ Pass

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

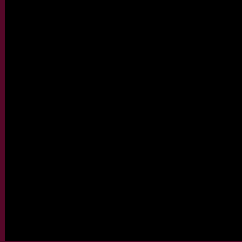
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 36.093, 2.480

Background



This preview shows how black text looks on a background with the CIELCh color 17, 36.093, 2.480.



This preview shows how white text looks on a background with the CIELCh color 17, 36.093, 2.480.

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, 36.093, 2.480

Protanopia

18, 10.380, 285.851

Deuteranopia

18, 6.196, 61.433



Tritanopia
17, 35.946, 30.460

Trichromacy



Original Color
17, 36.093, 2.480

Protanomaly
16, 18.523, 332.787

Deuteranomaly
16, 17.658, 6.781

Tritanomaly
17, 34.890, 20.846

Monochromacy



Original Color
17, 36.093, 2.480

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 16.316, 353.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 36.093, 2.480 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, 8, 41)` looks like.

```
.text, #text, p{  
    color:rgb(86, 8, 41)  
}
```

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, 8, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 8, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 36.093, 2.480 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, 8, 41) }
```

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

```
.border{ border-color:rgb(86, 8, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 8, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 8, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 8, 41); box-shadow:4px  
4px 4px 4px rgb(86, 8, 41) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 36.093, 2.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 8, 41) }
```

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

```
.background{ background-color: rgb(86, 8,  
41) }
```

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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