

Converting Colors

CIELCh(17, 39.487, 0.827)

Have a look what the booklet for
CIELCh(17, 39.487, 0.827) contains.

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Color

CIELCh(17, 39.386, 1.131)

Conversions

Conversions Part 1

Format	Color
Hex	59002A
RGB	89, 0, 42
RGB Percent	35%, 0%, 16%
CMY	0.6504, 0.9994, 0.8348
CMYK	0.00, 1.00, 0.53, 0.65
HSL	332°, 100%, 18%
HSV	332°, 100%, 35%
XYZ	4.5553, 2.3023, 2.4055
YIQ	31.3990, 39.5620, 31.9300

Conversions

Conversions Part 2

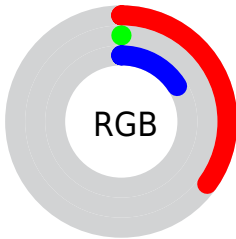
Format	Color
RYB	89, 0, 42
Decimal	5832746
CIELab	17.00, 39.38, 0.78
CIELCh	17, 39.386, 1.131
Yxy	2.3023, 0.4918, 0.2485
Android (android.graphics.Color)	4284022826 (0xFF59002A)
YUV	31.3990, 5.2263, 50.5161
Hunter-Lab	15.1734, 27.0350, 1.2220

Details

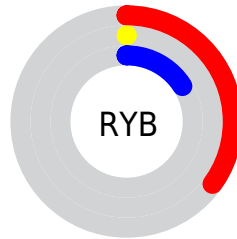
The CIELCh color **17, 39.386, 1.131** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 38.661, 152.496**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 39.462, 0.936**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.426, 1.180**, and if you desaturate by 10%, it is **18, 37.261, 358.360**.

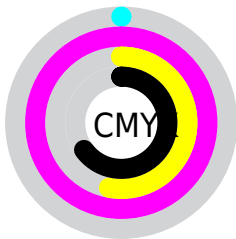
Distribution



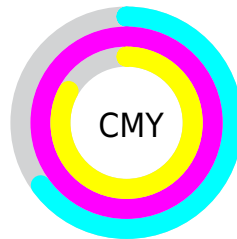
- Red (35%)
- Green (0%)
- Blue (16%)



- Red (35%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (65%)



- Cyan (65%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 39.386, 1.131 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, 39.386, 1.131 by changing the saturation by 10% instead.

 17, 39.386, 1.131  17, 39.386, 1.131

 100, 39.386, 1.131  7, 39.386, 1.131

 37, 39.386, 1.131  0, 39.386, 1.131

 47, 39.386, 1.131

 57, 39.386, 1.131

 67, 39.386, 1.131

 77, 39.386, 1.131

 87, 39.386, 1.131

 97, 39.386, 1.131

 17, 39.386, 1.131  17, 39.386, 1.131

■ 17, 39.426, 1.180

■ 18, 37.261,
358.360

■ 19, 34.981,
355.645

■ 21, 31.831,
353.456

■ 23, 27.973,
351.668

■ 25, 23.616,
350.180

■ 27, 18.959,
348.913

■ 30, 14.161,
347.812

■ 32, 9.340, 346.835

■ 35, 4.577, 345.941

Harmonies

Complementary

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



17, 39.386, 1.131



33, 38.661, 152.496

Rectangle

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



17, 39.386, 1.131



17, 39.386, 51.131



17, 39.386, 181.131



17, 39.386, 231.131

Sweetspot

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



17, 39.384, 1.132



38, 17.554, 347.929



11, 57.246, 313.106



18, 12.085, 348.214



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



17, 39.384, 1.132



23, 46.960, 2.639



16, 44.550, 34.533



16, 2.546, 345.846



21, 44.740, 2.267



50, 79.279, 5.509

Inverse Universe

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



17, 39.384, 1.132



23, 46.960, 2.639



33, 22.760, 198.822



16, 2.546, 345.846



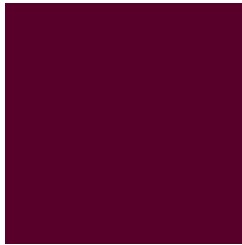
21, 44.740, 2.267



50, 79.279, 5.509

Previews

White Background



This preview shows how the CIELCh color 17, 39.386, 1.131 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



This preview shows how the CIELCh color 17, 39.386, 1.131 looks on a 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, 39.386, 1.131

Background



This preview shows how black text looks on a background with the CIELCh color 17, 39.386, 1.131.



This preview shows how white text looks on a background with the CIELCh color 17, 39.386, 1.131.

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, 39.386, 1.131

Protanopia

19, 10.358, 283.518

Deuteranopia

19, 6.170, 61.468



Tritanopia
18, 37.610, 31.675

Trichromacy



Original Color
17, 39.386, 1.131

Protanomaly
16, 21.493, 332.154

Deuteranomaly
16, 19.834, 3.597

Tritanomaly
17, 36.937, 20.551

Monochromacy



Original Color
17, 39.386, 1.131

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.087, 350.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 39.386, 1.131 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(89, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(89, 0, 42)  
}
```

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(89, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 39.386, 1.131 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(89, 0, 42) }
```

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

```
.border{ border-color:rgb(89, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 0, 42); box-shadow:4px  
4px 4px 4px rgb(89, 0, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 39.386, 1.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 42) }
```

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

```
.background{ background-color: rgb(89, 0,  
42) }
```

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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