

Converting Colors

CIELCh(17, 26.720, 1.531)

Have a look what the booklet for
CIELCh(17, 26.720, 1.531) contains.

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Color

CIELCh(17, 27.005, 1.291)

Conversions

Conversions Part 1

Format	Color
Hex	4C172A
RGB	76, 23, 42
RGB Percent	30%, 9%, 16%
CMY	0.7026, 0.9104, 0.8359
CMYK	0.00, 0.70, 0.45, 0.70
HSL	338°, 54%, 19%
HSV	338°, 70%, 30%
XYZ	3.6858, 2.3023, 2.4273
YIQ	41.0130, 25.4890, 17.1450

Conversions

Conversions Part 2

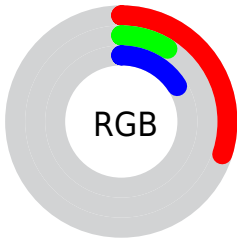
Format	Color
R_{YB}	76, 23, 42
Decimal	4986666
CIE Lab	17.00, 27.00, 0.61
CIE LCh	17, 27.005, 1.291
Yxy	2.3023, 0.4380, 0.2736
Android (android.graphics.Color)	4283176746 (0xFF4C172A)
YUV	41.0130, 0.4866, 30.6836
Hunter-Lab	15.1734, 16.8064, 1.1368

Details

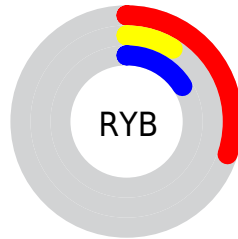
The CIELCh color **17, 27.005, 1.291** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 23.569, 164.612**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 26.590, 1.479**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **16, 30.029, 3.870**, and if you desaturate by 10%, it is **19, 23.505, 359.202**.

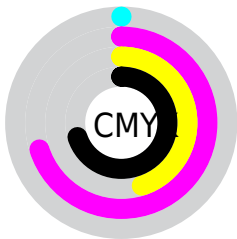
Distribution



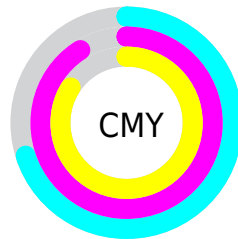
- Red (30%)
- Green (9%)
- Blue (16%)



- Red (30%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (70%)
- Yellow (45%)
- Black (70%)



- Cyan (70%)
- Magenta (91%)
- Yellow (84%)



Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 27.005, 1.291 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, 27.005, 1.291 by changing the saturation by 10% instead.

 17, 27.005, 1.291  17, 27.005, 1.291

 100, 27.005, 1.291  7, 27.005, 1.291

 37, 27.005, 1.291  0, 27.005, 1.291

 47, 27.005, 1.291

 57, 27.005, 1.291

 67, 27.005, 1.291

 77, 27.005, 1.291

 87, 27.005, 1.291

 97, 27.005, 1.291

 17, 27.005, 1.291  17, 27.005, 1.291

■ 16, 30.029, 3.870

■ 19, 23.505,
359.202

■ 14, 32.503, 7.008

■ 21, 19.691,
357.483

■ 13, 35.146, 9.905

■ 13, 35.182, 9.939

■ 23, 15.709,
356.044

■ 25, 11.674,
354.815

■ 27, 7.672, 353.744

■ 30, 3.755, 352.780

■ 32, 0.045, 177.128

■ 35, 3.710, 171.320

■ 37, 7.238, 170.609

Harmonies

Complementary

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



17, 27.005, 1.291



28, 23.569, 164.612

Rectangle

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



17, 27.005, 1.291



17, 27.005, 51.291



17, 27.005, 181.291



17, 27.005, 231.291

Sweetspot

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



17, 27.003, 1.293



36, 10.173, 353.941



15, 37.652, 316.133



17, 6.955, 354.090



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 27.003, 1.293



21, 38.419, 6.155



18, 26.146, 36.011



14, 2.134, 352.666



20, 43.328, 12.297



49, 79.332, 16.486

Inverse Universe

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



17, 27.003, 1.293



21, 38.419, 6.155



27, 15.663, 214.530



14, 2.134, 352.666



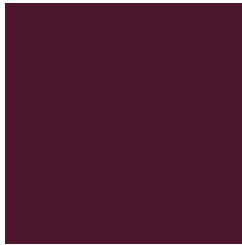
20, 43.328, 12.297



49, 79.332, 16.486

Previews

White Background



This preview shows how the CIELCh color 17, 27.005, 1.291 looks on a white background.

Color Contrast Check

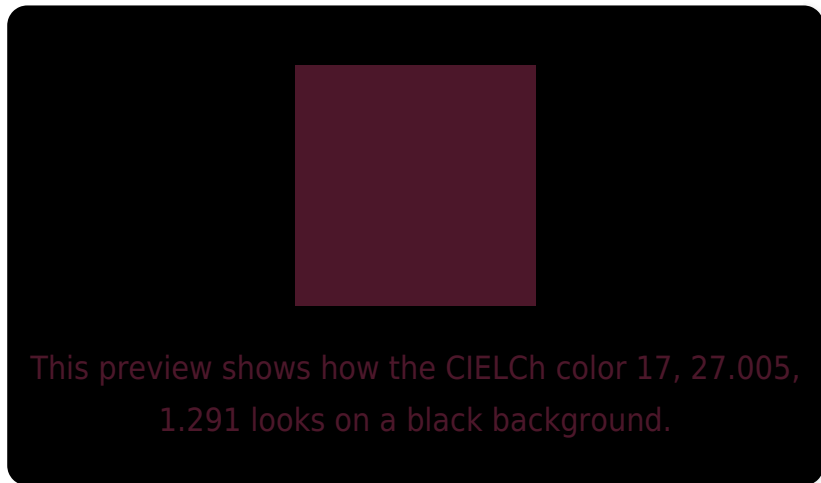
Large Text (above 18pt) WCAG AA ✓ Pass

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

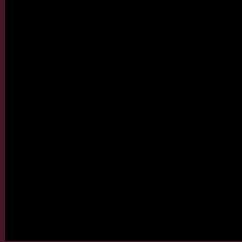
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 27.005, 1.291

Background



This preview shows how black text looks on a background with the CIELCh color 17, 27.005, 1.291.



This preview shows how white text looks on a background with the CIELCh color 17, 27.005, 1.291.

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, 27.005, 1.291

Protanopia

18, 7.643, 285.614

Deuteranopia

18, 4.068, 50.446



Tritanopia
17, 25.747, 24.299

Trichromacy



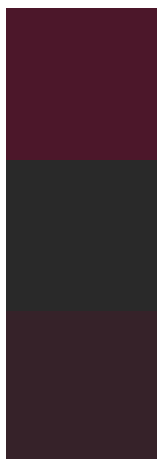
Original Color
17, 27.005, 1.291

Protanomaly
17, 12.756, 333.166

Deuteranomaly
17, 12.396, 6.739

Tritanomaly
17, 25.470, 15.776

Monochromacy



Original Color
17, 27.005, 1.291

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 10.905, 355.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 27.005, 1.291 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(76, 23, 42)` looks like.

```
.text, #text, p{  
    color:rgb(76, 23, 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(76, 23, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 23, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 27.005, 1.291 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(76, 23, 42) }
```

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

```
.border{ border-color:rgb(76, 23, 42) }
```

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

Here you see how a box with a 4 pixel rgb(76, 23, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 23, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 23, 42);  
box-shadow:4px 4px 4px 4px rgb(76, 23, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 27.005, 1.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 23, 42) }
```

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

```
.background{ background-color: rgb(76, 23,  
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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