

Converting Colors

CIELCh(17, 41.561, 19.683)

Have a look what the booklet for
CIELCh(17, 41.561, 19.683) contains.

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Color

CIELCh(17, 41.439, 20.206)

Conversions

Conversions Part 1

Format	Color
Hex	5B0018
RGB	91, 0, 24
RGB Percent	36%, 0%, 9%
CMY	0.6412, 1.0000, 0.9073
CMYK	0.00, 1.00, 0.74, 0.64
HSL	344°, 100%, 18%
HSV	344°, 100%, 36%
XYZ	4.5186, 2.3023, 1.0510
YIQ	29.9450, 46.5320, 26.7560

Conversions

Conversions Part 2

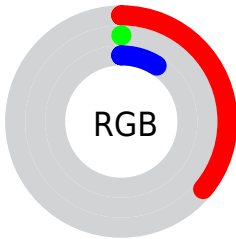
Format	Color
RYB	91, 0, 24
Decimal	5963800
CIELab	17.00, 38.89, 14.31
CIELCh	17, 41.439, 20.206
Yxy	2.3023, 0.5740, 0.2925
Android (android.graphics.Color)	4284153880 (0xFF5B0018)
YUV	29.9450, -2.9309, 53.5452
Hunter-Lab	15.1734, 26.6028, 6.5147

Details

The CIELCh color **17, 41.439, 20.206** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 30.992, 166.888**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 41.256, 20.231**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **17, 41.314, 20.370**, and if you desaturate by 10%, it is **18, 38.087, 16.587**.

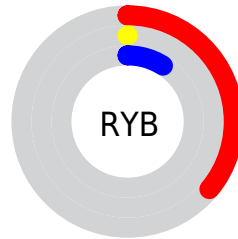
Distribution



Red (36%)

Green (0%)

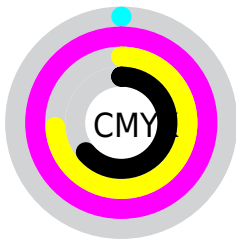
Blue (9%)



Red (36%)

Yellow (0%)

Blue (9%)

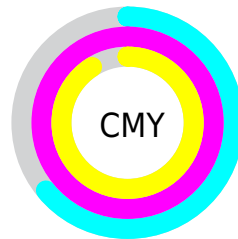


Cyan (0%)

Magenta (100%)

Yellow (74%)

Black (64%)



Cyan (64%)

Magenta (100%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 41.439, 20.206 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, 41.439, 20.206 by changing the saturation by 10% instead.

 17, 41.439, 20.206

 17, 41.439, 20.206

 100, 41.439,
20.206

 7, 41.439, 20.206

 37, 41.439, 20.206

 0, 41.439, 20.206

 47, 41.439, 20.206

 57, 41.439, 20.206

 67, 41.439, 20.206

 77, 41.439, 20.206

 87, 41.439, 20.206

 97, 41.439, 20.206

■ 17, 41.439, 20.206

■ 17, 41.439, 20.206

■ 17, 41.314, 20.370

■ 18, 38.087, 16.587

■ 19, 34.911, 12.713

■ 21, 31.161, 9.568

■ 23, 26.950, 7.042

■ 25, 22.444, 5.002

■ 28, 17.807, 3.334

■ 30, 13.169, 1.944

■ 33, 8.624, 0.762

■ 36, 4.225, 359.722

Harmonies

Complementary

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



17, 41.439, 20.206



34, 30.992, 166.888

Rectangle

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



17, 41.439, 20.206



17, 41.439, 70.206



17, 41.439, 200.206



17, 41.439, 250.206

Sweetspot

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



17, 41.314, 20.370



40, 16.475, 2.069



15, 56.127, 319.032



19, 11.377, 2.441



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



17, 41.314, 20.370



24, 50.529, 22.391



19, 42.316, 43.083



17, 2.368, 359.605



21, 47.260, 21.777



50, 85.426, 25.751

Inverse Universe

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



17, 41.314, 20.370



24, 50.529, 22.391



27, 21.005, 239.402



17, 2.368, 359.605



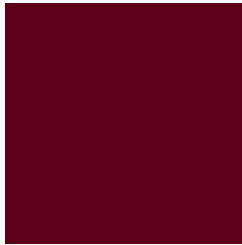
21, 47.260, 21.777



50, 85.426, 25.751

Previews

White Background



This preview shows how the CIELCh color 17, 41.439, 20.206 looks on a white background.

Color Contrast Check

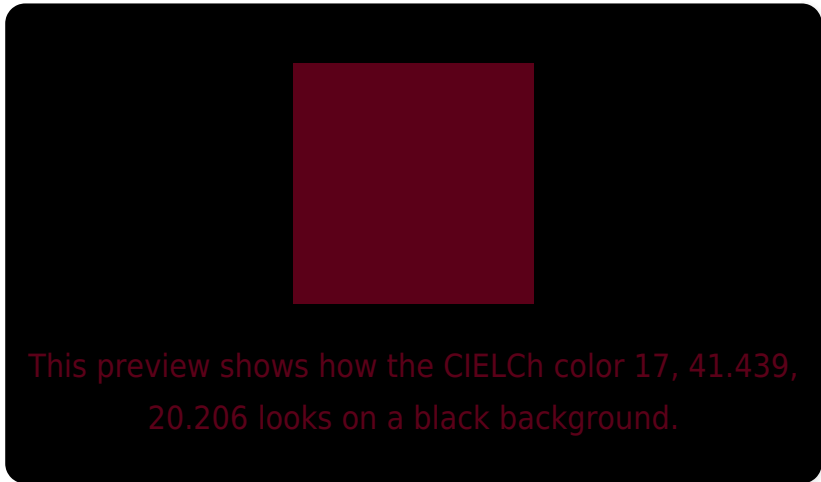
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.439, 20.206

Background



This preview shows how black text looks on a background with the CIELCh color 17, 41.439, 20.206.



This preview shows how white text looks on a background with the CIELCh color 17, 41.439, 20.206.

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, 41.059, 19.870

Protanopia

19, 7.113, 91.855

Deuteranopia

19, 18.678, 81.193



Tritanopia
18, 42.595, 34.718

Trichromacy



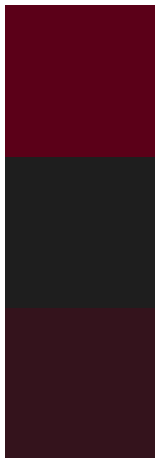
Original Color
17, 41.059, 19.870

Protanomaly
16, 18.780, 18.741

Deuteranomaly
16, 24.306, 36.554

Tritanomaly
17, 42.127, 30.373

Monochromacy



Original Color
17, 41.059, 19.870

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 17.837, 5.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 41.439, 20.206 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(91, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 24)  
}
```

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(91, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 41.439, 20.206 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(91, 0, 24) }
```

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

```
.border{ border-color:rgb(91, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 24); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 0, 24); box-shadow:4px  
4px 4px 4px rgb(91, 0, 24) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 41.439, 20.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 24) }
```

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

```
.background{ background-color: rgb(91, 0,  
24) }
```

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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