

Converting Colors

CIELCh(17, 21.846, 19.065)

Have a look what the booklet for
CIELCh(17, 21.846, 19.065) contains.

CIELCh(17, 21.705, 18.781)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(17, 21.705, 18.781)

Conversions

Conversions Part 1

Format	Color
Hex	471D21
RGB	71, 29, 33
RGB Percent	28%, 11%, 13%
CMY	0.7228, 0.8873, 0.8716
CMYK	0.00, 0.59, 0.54, 0.72
HSL	354°, 42%, 19%
HSV	354°, 59%, 28%
XYZ	3.2803, 2.3023, 1.6920
YIQ	42.0140, 23.7480, 10.1480

Conversions

Conversions Part 2

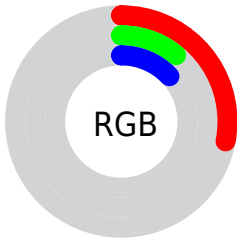
Format	Color
R_{YB}	71, 29, 33
Decimal	4660513
CIE _{Lab}	17.00, 20.55, 6.99
CIE _{LCh}	17, 21.705, 18.781
Yxy	2.3023, 0.4509, 0.3165
Android (android.graphics.Color)	4282850593 (0xFF471D21)
YUV	42.0140, -4.4439, 25.4207
Hunter-Lab	15.1734, 12.0362, 4.0100

Details

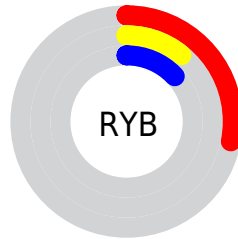
The CIELCh color **17, 21.705, 18.781** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **27, 15.860, 187.365**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 21.924, 18.256**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 25.637, 21.167**, and if you desaturate by 10%, it is **19, 17.738, 16.864**.

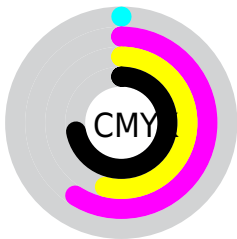
Distribution



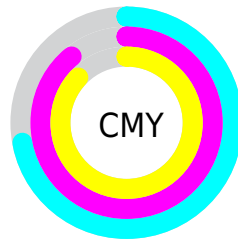
- Red (28%)
- Green (11%)
- Blue (13%)



- Red (28%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (59%)
- Yellow (54%)
- Black (72%)



- Cyan (72%)
- Magenta (89%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 21.705, 18.781 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, 21.705, 18.781 by changing the saturation by 10% instead.

 17, 21.705, 18.781

 17, 21.705, 18.781

 100, 21.705,
18.781

 7, 21.705, 18.781

 37, 21.705, 18.781

 0, 21.705, 18.781

 47, 21.705, 18.781

 57, 21.705, 18.781

 67, 21.705, 18.781

 77, 21.705, 18.781

 87, 21.705, 18.781

 97, 21.705, 18.781

■ 17, 21.705, 18.781

■ 17, 21.705, 18.781

■ 15, 25.637, 21.167

■ 19, 17.738, 16.864

■ 14, 29.396, 23.948

■ 21, 13.832, 15.314

■ 13, 32.517, 25.724

■ 23, 10.054, 14.052

■ 12, 35.397, 25.739

■ 25, 6.445, 13.006

■ 12, 35.588, 25.710

■ 28, 3.025, 12.103

■ 30, 0.201, 192.734

■ 33, 3.239, 190.925

■ 35, 6.100, 190.354

■ 37, 8.798, 189.874

Harmonies

Complementary

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



17, 21.705, 18.781



27, 15.860, 187.365

Rectangle

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



17, 21.705, 18.781



17, 21.705, 68.781



17, 21.705, 198.781



17, 21.705, 248.781

Sweetspot

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



17, 21.704, 18.784



34, 7.430, 12.945



18, 31.514, 324.106



15, 5.110, 13.087



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



17, 21.704, 18.784



21, 32.676, 22.401



21, 18.083, 58.800



13, 1.813, 12.037



19, 47.514, 31.751



47, 91.672, 36.643

Inverse Universe

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



17, 21.704, 18.784



21, 32.676, 22.401



21, 13.951, 253.293



13, 1.813, 12.037



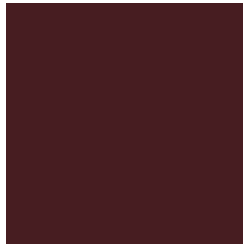
19, 47.514, 31.751



47, 91.672, 36.643

Previews

White Background



This preview shows how the CIE LCh color 17, 21.705, 18.781 looks on a white background.

Color Contrast Check

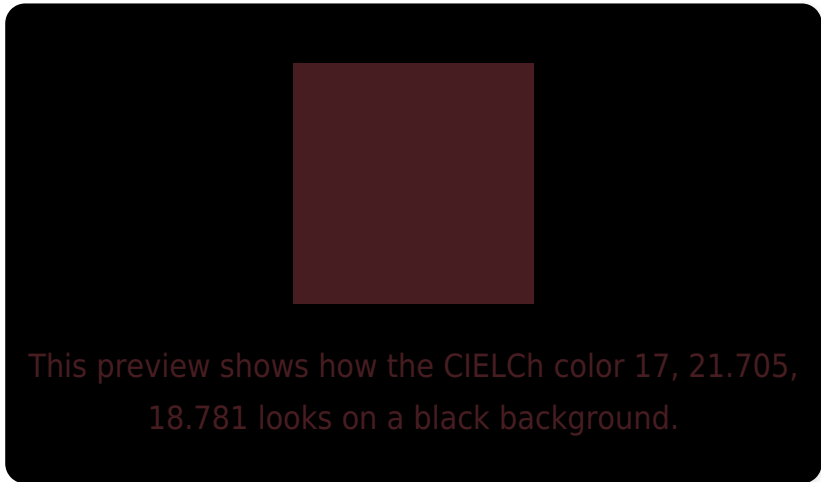
Large Text (above 18pt) WCAG AA ✓ Pass

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

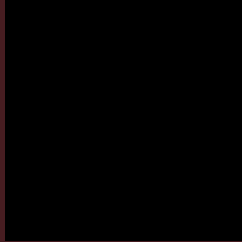
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 21.705, 18.781

Background



This preview shows how black text looks on a background with the CIELCh color 17, 21.705, 18.781.

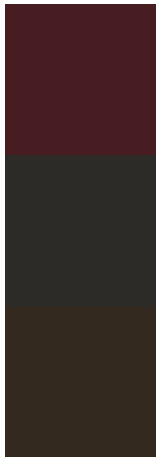


This preview shows how white text looks on a background with the CIELCh color 17, 21.705, 18.781.

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, 21.705, 18.781

Protanopia

18, 2.800, 99.345

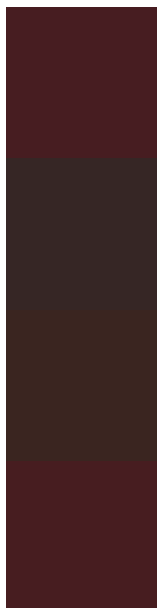
Deuteranopia

17, 8.762, 71.339



Tritanopia
17, 21.967, 22.300

Trichromacy



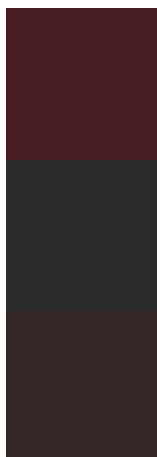
Original Color
17, 21.705, 18.781

Protanomaly
17, 8.211, 26.103

Deuteranomaly
17, 11.776, 38.665

Tritanomaly
17, 21.824, 20.552

Monochromacy



Original Color
17, 21.705, 18.781

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 7.620, 10.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 21.705, 18.781 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(71, 29, 33)` looks like.

```
.text, #text, p{  
    color:rgb(71, 29, 33)  
}
```

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(71, 29, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 29, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 21.705, 18.781 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(71, 29, 33) }
```

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

```
.border{ border-color:rgb(71, 29, 33) }
```

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

Here you see how a box with a 4 pixel rgb(71, 29, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 29, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 29, 33);  
box-shadow:4px 4px 4px 4px rgb(71, 29, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 21.705, 18.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 29, 33) }
```

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

```
.background{ background-color: rgb(71, 29,  
33) }
```

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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