

Converting Colors

CIELCh(17, 22.789, 0.306)

Have a look what the booklet for
CIELCh(17, 22.789, 0.306) contains.

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Color

CIELCh(17, 22.884, 0.786)

Conversions

Conversions Part 1

Format	Color
Hex	471B2A
RGB	71, 27, 42
RGB Percent	28%, 11%, 16%
CMY	0.7210, 0.8936, 0.8348
CMYK	0.00, 0.62, 0.41, 0.72
HSL	340°, 45%, 19%
HSV	340°, 62%, 28%
XYZ	3.4234, 2.3023, 2.4656
YIQ	41.8660, 21.4090, 13.9930

Conversions

Conversions Part 2

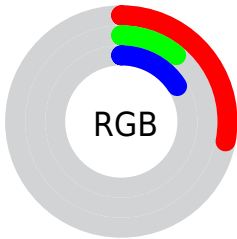
Format	Color
R_YB	71, 27, 42
Decimal	4660010
CIE Lab	17.00, 22.88, 0.31
CIE LCh	17, 22.884, 0.786
Yxy	2.3023, 0.4179, 0.2811
Android (android.graphics.Color)	4282850090 (0xFF471B2A)
YUV	41.8660, 0.0661, 25.5505
Hunter-Lab	15.1734, 13.7189, 0.9872

Details

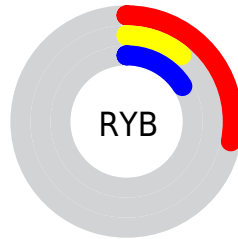
The CIELCh color **17, 22.884, 0.786** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 19.966, 167.015**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.463, 1.065**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.172, 2.971**, and if you desaturate by 10%, it is **19, 19.293, 358.997**.

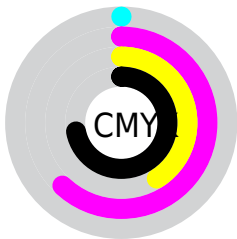
Distribution



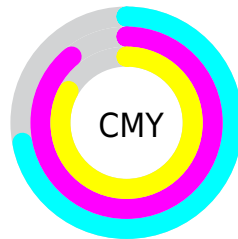
- Red (28%)
- Green (11%)
- Blue (16%)



- Red (28%)
- Yellow (11%)
- Blue (16%)



- Cyan (0%)
- Magenta (62%)
- Yellow (41%)
- Black (72%)



- Cyan (72%)
- Magenta (89%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.884, 0.786 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, 22.884, 0.786 by changing the saturation by 10% instead.

 17, 22.884, 0.786  17, 22.884, 0.786

 100, 22.884, 0.786  7, 22.884, 0.786

 37, 22.884, 0.786  0, 22.884, 0.786

 47, 22.884, 0.786

 57, 22.884, 0.786

 67, 22.884, 0.786

 77, 22.884, 0.786

 87, 22.884, 0.786

 97, 22.884, 0.786

 17, 22.884, 0.786  17, 22.884, 0.786

■ 15, 26.172, 2.971

■ 19, 19.293,
358.997

■ 14, 29.018, 5.664

■ 21, 15.538,
357.503

■ 13, 31.490, 8.766

■ 12, 33.750, 10.948

■ 23, 11.731,
356.233

■ 25, 7.950, 355.133

■ 27, 4.249, 354.153

■ 30, 0.659, 353.019

■ 32, 2.804, 172.673

■ 35, 6.135, 171.940

■ 37, 9.335, 171.298

Harmonies

Complementary

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



17, 22.884, 0.786



27, 19.966, 167.015

Rectangle

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



17, 22.884, 0.786



17, 22.884, 50.786



17, 22.884, 180.786



17, 22.884, 230.786

Sweetspot

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



17, 22.883, 0.788



34, 8.509, 354.915



16, 31.957, 316.430



15, 5.782, 355.053



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, 22.883, 0.788



21, 32.902, 4.241



18, 21.150, 36.198



13, 1.990, 353.844



19, 42.709, 13.770



48, 79.184, 18.179

Inverse Universe

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



17, 22.883, 0.788



21, 32.902, 4.241



25, 13.682, 216.161



13, 1.990, 353.844



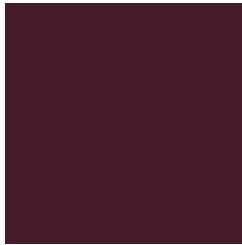
19, 42.709, 13.770



48, 79.184, 18.179

Previews

White Background



This preview shows how the CIE LCh color 17, 22.884, 0.786 looks on a white background.

Color Contrast Check

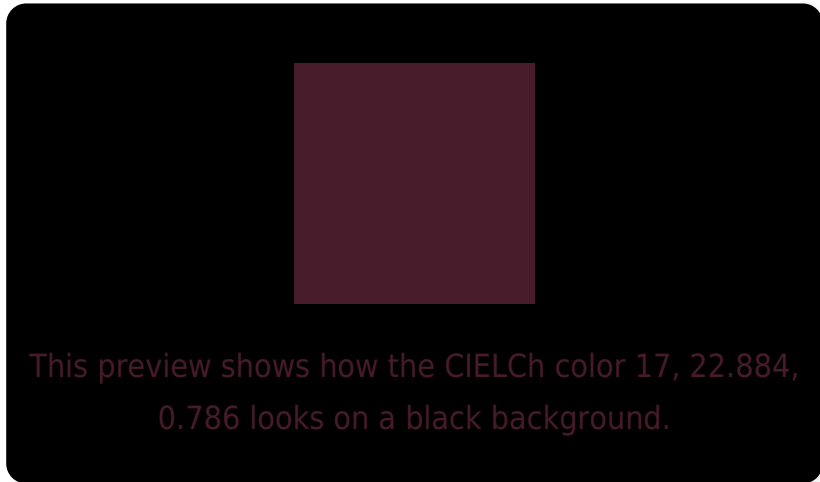
Large Text (above 18pt) WCAG AA ✓ Pass

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

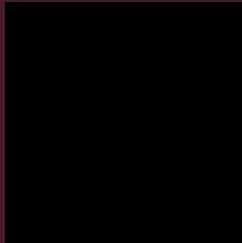
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.884, 0.786

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.884, 0.786.



This preview shows how white text looks on a background with the CIELCh color 17, 22.884, 0.786.

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, 22.884, 0.786

Protanopia

18, 5.592, 282.483

Deuteranopia

17, 3.529, 31.368



Tritanopia
17, 21.457, 22.067

Trichromacy



Original Color

17, 22.884, 0.786

Protanomaly

17, 10.370, 334.622

Deuteranomaly

17, 10.438, 2.942

Tritanomaly

17, 21.554, 13.524

Monochromacy



Original Color

17, 22.884, 0.786

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 8.547, 357.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.884, 0.786 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, 27, 42)` looks like.

```
.text, #text, p{  
    color:rgb(71, 27, 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(71, 27, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 27, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.884, 0.786 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, 27, 42) }
```

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

```
.border{ border-color:rgb(71, 27, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 27, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 27, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 27, 42);  
box-shadow:4px 4px 4px 4px rgb(71, 27, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.884, 0.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 27, 42) }
```

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

```
.background{ background-color: rgb(71, 27,  
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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