

Converting Colors

CIELCh(17, 30.771, 22.874)

Have a look what the booklet for
CIELCh(17, 30.771, 22.874) contains.

CIELCh(17, 30.771, 22.874)	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, 30.771, 22.874)

Conversions

Conversions Part 1

Format	Color
Hex	50141A
RGB	80, 20, 26
RGB Percent	31%, 8%, 10%
CMY	0.6852, 0.9205, 0.8972
CMYK	0.00, 0.75, 0.67, 0.69
HSL	354°, 60%, 20%
HSV	354°, 75%, 31%
XYZ	3.7749, 2.3023, 1.2349
YIQ	38.6240, 33.8340, 14.5860

Conversions

Conversions Part 2

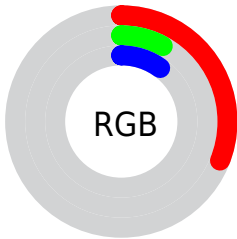
Format	Color
RYB	80, 20, 26
Decimal	5248026
CIELab	17.00, 28.35, 11.96
CIElCh	17, 30.771, 22.874
Yxy	2.3023, 0.5163, 0.3149
Android (android.graphics.Color)	4283438106 (0xFF50141A)
YUV	38.6240, -6.2236, 36.2868
Hunter-Lab	15.1734, 17.8547, 5.7959

Details

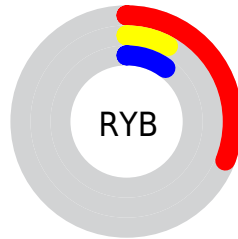
The CIELCh color **17, 30.771, 22.874** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30, 20.456, 185.686**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 30.736, 22.515**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **16, 34.736, 26.116**, and if you desaturate by 10%, it is **19, 26.507, 20.069**.

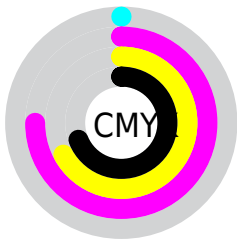
Distribution



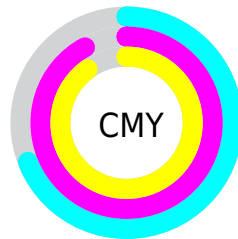
- Red (31%)
- Green (8%)
- Blue (10%)



- Red (31%)
- Yellow (8%)
- Blue (10%)



- Cyan (0%)
- Magenta (75%)
- Yellow (67%)
- Black (69%)



- Cyan (69%)
- Magenta (92%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 30.771, 22.874 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, 30.771, 22.874 by changing the saturation by 10% instead.

 17, 30.771, 22.874

 17, 30.771, 22.874

 100, 30.771,
22.874

 7, 30.771, 22.874

 37, 30.771, 22.874

 0, 30.771, 22.874

 47, 30.771, 22.874

 57, 30.771, 22.874

 67, 30.771, 22.874

 77, 30.771, 22.874

 87, 30.771, 22.874

 97, 30.771, 22.874

■ 17, 30.771, 22.874

■ 17, 30.771, 22.874

■ 16, 34.736, 26.116

■ 19, 26.507, 20.069

■ 15, 37.994, 27.994

■ 21, 22.122, 17.805

■ 14, 39.587, 28.148

■ 23, 17.736, 15.990

■ 25, 13.447, 14.526

■ 28, 9.322, 13.331

■ 30, 5.398, 12.332

■ 33, 1.690, 11.403

■ 36, 1.801, 191.031

■ 38, 5.085, 190.340

Harmonies

Complementary

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



17, 30.771, 22.874



30, 20.456, 185.686

Rectangle

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



17, 30.771, 22.874



17, 30.771, 72.874



17, 30.771, 202.874



17, 30.771, 252.874

Sweetspot

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



17, 30.770, 22.876



37, 10.246, 13.120



18, 42.133, 324.506



18, 6.968, 13.270



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 30.770, 22.876



21, 45.537, 29.593



22, 26.403, 57.498



15, 2.035, 11.787



20, 49.481, 32.257



49, 93.098, 36.533

Inverse Universe

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



17, 30.770, 22.876



21, 45.537, 29.593



22, 18.772, 258.225



15, 2.035, 11.787



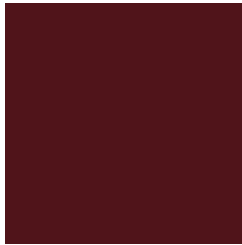
20, 49.481, 32.257



49, 93.098, 36.533

Previews

White Background



This preview shows how the CIELCh color 17, 30.771, 22.874 looks on a white background.

Color Contrast Check

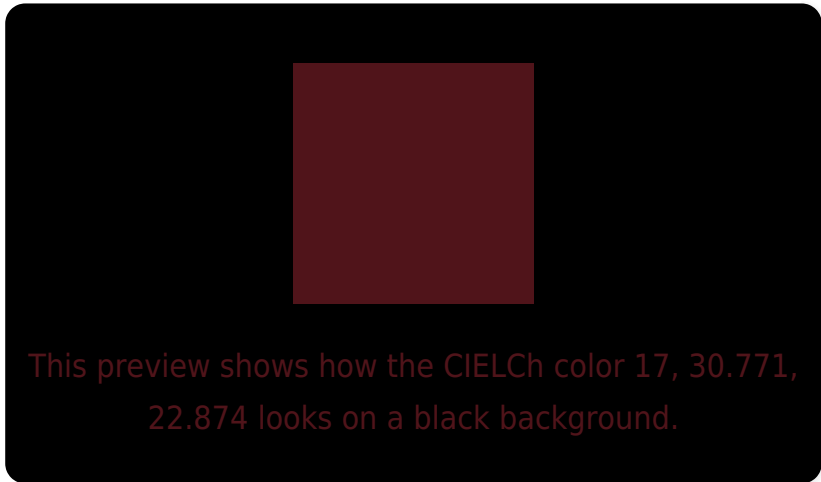
Large Text (above 18pt) WCAG AA ✓ Pass

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

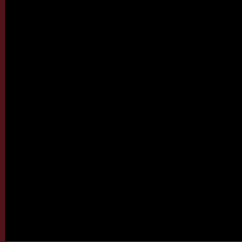
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 30.771, 22.874

Background



This preview shows how black text looks on a background with the CIELCh color 17, 30.771, 22.874.



This preview shows how white text looks on a background with the CIELCh color 17, 30.771, 22.874.

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, 30.771, 22.874

Protanopia

18, 6.259, 99.255

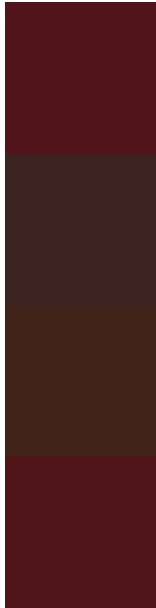
Deuteranopia

18, 14.689, 80.064



Tritanopia
17, 31.357, 28.364

Trichromacy



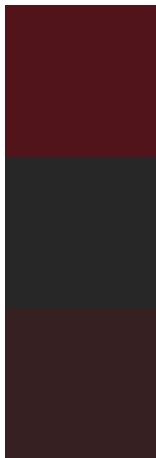
Original Color
17, 30.771, 22.874

Protanomaly
17, 12.423, 31.818

Deuteranomaly
17, 18.430, 44.410

Tritanomaly
17, 30.862, 26.030

Monochromacy



Original Color
17, 30.771, 22.874

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 11.413, 15.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 30.771, 22.874 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(80, 20, 26)` looks like.

```
.text, #text, p{  
    color:rgb(80, 20, 26)  
}
```

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(80, 20, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 20, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 30.771, 22.874 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(80, 20, 26) }
```

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

```
.border{ border-color:rgb(80, 20, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 20, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 20, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 20, 26);  
box-shadow:4px 4px 4px 4px rgb(80, 20, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 30.771, 22.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 20, 26) }
```

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

```
.background{ background-color: rgb(80, 20,  
26) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor