

Converting Colors

CIELCh(15, 17.710, 13.733)

Have a look what the booklet for
CIELCh(15, 17.710, 13.733) contains.

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Color

CIELCh(15, 17.773, 13.870)

Conversions

Conversions Part 1

Format	Color
Hex	3D1B20
RGB	61, 27, 32
RGB Percent	24%, 11%, 13%
CMY	0.7594, 0.8928, 0.8733
CMYK	0.00, 0.55, 0.47, 0.76
HSL	351°, 38%, 17%
HSV	351°, 55%, 24%
XYZ	2.6115, 1.9086, 1.6197
YIQ	37.7360, 18.6590, 8.7630

Conversions

Conversions Part 2

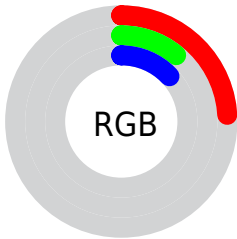
Format	Color
RYB	61, 27, 32
Decimal	4004640
CIELab	15.00, 17.25, 4.26
CIELCh	15, 17.773, 13.870
Yxy	1.9086, 0.4253, 0.3109
Android (android.graphics.Color)	4282194720 (0xFF3D1B20)
YUV	37.7360, -2.8278, 20.4025
Hunter-Lab	13.8151, 9.5652, 2.7193

Details

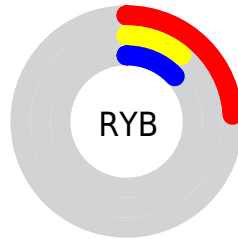
The CIELCh color **15, 17.773, 13.870** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 13.893, 183.084**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 17.898, 12.588**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 21.172, 15.960**, and if you desaturate by 10%, it is **17, 14.347, 12.172**.

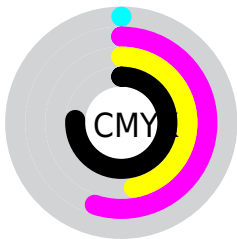
Distribution



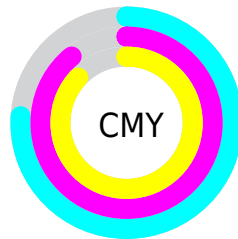
- Red (24%)
- Green (11%)
- Blue (13%)



- Red (24%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (47%)
- Black (76%)



- Cyan (76%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 17.773, 13.870 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 15, 17.773, 13.870 by changing the saturation by 10% instead.

■ 15, 17.773, 13.870

■ 15, 17.773, 13.870

■ 100, 17.773,
13.870

■ 5, 17.773, 13.870

■ 35, 17.773, 13.870

■ 0, 17.773, 13.870

■ 45, 17.773, 13.870

■ 55, 17.773, 13.870

■ 65, 17.773, 13.870

■ 75, 17.773, 13.870

■ 85, 17.773, 13.870

■ 95, 17.773, 13.870

■ 15, 17.773, 13.870

■ 15, 17.773, 13.870

■ 13, 21.172, 15.960

■ 17, 14.347, 12.172

■ 12, 24.452, 18.484

■ 19, 10.973, 10.772

■ 11, 27.316, 20.373

■ 21, 7.701, 9.604

■ 10, 30.044, 20.637

■ 23, 4.562, 8.607

■ 9, 31.326, 20.212

■ 25, 1.572, 7.678

■ 27, 1.266, 187.282

■ 29, 3.955, 186.529

■ 31, 6.503, 185.948

■ 33, 8.920, 185.441

Harmonies

Complementary

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



15, 17.773, 13.870



23, 13.893, 183.084

Rectangle

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



15, 17.773, 13.870



15, 17.773, 63.870



15, 17.773, 193.870



15, 17.773, 243.870

Sweetspot

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



15, 17.772, 13.873



29, 6.228, 8.821



15, 26.171, 322.405



14, 4.210, 8.874



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



15, 17.772, 13.873



18, 26.811, 17.035



18, 14.878, 54.101



10, 1.604, 7.963



18, 44.548, 28.629



46, 87.251, 33.804

Inverse Universe

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



15, 17.772, 13.873



18, 26.811, 17.035



19, 11.279, 245.019



10, 1.604, 7.963



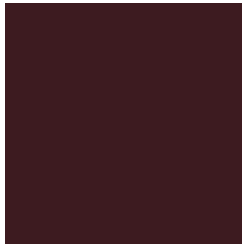
18, 44.548, 28.629



46, 87.251, 33.804

Previews

White Background



This preview shows how the CIELCh color 15, 17.773, 13.870 looks on a white background.

Color Contrast Check

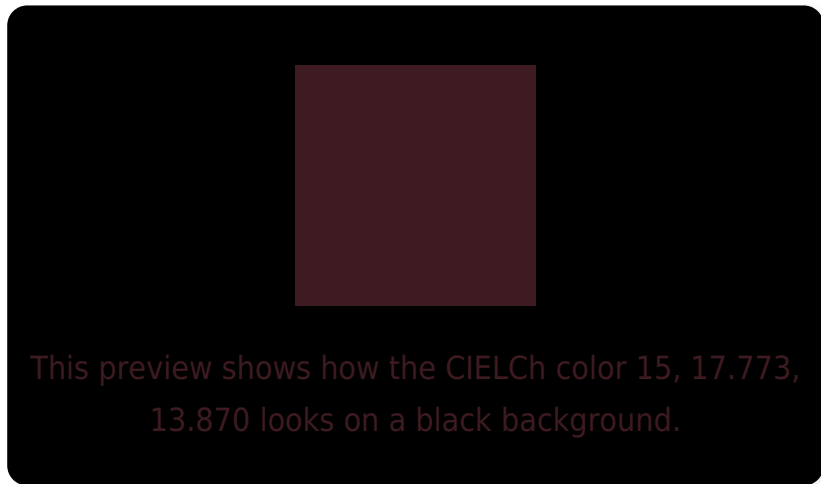
Large Text (above 18pt) WCAG AA ✓ Pass

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

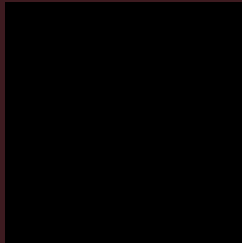
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 17.773, 13.870

Background



This preview shows how black text looks on a background with the CIELCh color 15, 17.773, 13.870.

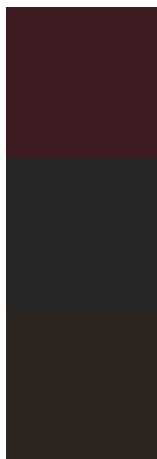


This preview shows how white text looks on a background with the CIELCh color 15, 17.773, 13.870.

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

15, 17.773, 13.870

Protanopia

15, 0.487, 19.156

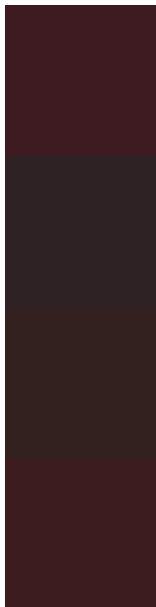
Deuteranopia

15, 5.971, 64.535



Tritanopia
15, 17.409, 20.086

Trichromacy



Original Color
15, 17.773, 13.870

Protanomaly
15, 6.702, 9.115

Deuteranomaly
15, 9.648, 30.055

Tritanomaly
15, 17.312, 17.819

Monochromacy



Original Color
15, 17.773, 13.870

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 6.199, 7.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 17.773, 13.870 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(61, 27, 32)` looks like.

```
.text, #text, p{  
    color:rgb(61, 27, 32)  
}
```

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(61, 27, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 27, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 17.773, 13.870 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(61, 27, 32) }
```

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

```
.border{ border-color:rgb(61, 27, 32) }
```

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

Here you see how a box with a 4 pixel rgb(61, 27, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 27, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 27, 32);  
box-shadow:4px 4px 4px 4px rgb(61, 27, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 17.773, 13.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 27, 32) }
```

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

```
.background{ background-color: rgb(61, 27,  
32) }
```

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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