

Converting Colors

CIELCh(17, 28.171, 63.953)

Have a look what the booklet for
CIELCh(17, 28.171, 63.953) contains.

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Color

CIELCh(17, 28.033, 63.459)

Conversions

Conversions Part 1

Format	Color
Hex	422200
RGB	66, 34, 0
RGB Percent	26%, 13%, 0%
CMY	0.7412, 0.8667, 1.0000
CMYK	0.00, 0.48, 1.00, 0.74
HSL	31°, 100%, 13%
HSV	31°, 100%, 26%
XYZ	2.8188, 2.3023, 0.2958
YIQ	39.6920, 29.9860, -3.7900

Conversions

Conversions Part 2

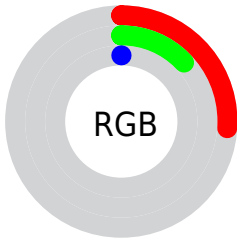
Format	Color
RYB	62, 66, 0
Decimal	4334080
CIELab	17.00, 12.53, 25.08
CIELCh	17, 28.033, 63.459
Yxy	2.3023, 0.5204, 0.4250
Android (android.graphics.Color)	4282524160 (0xFF422200)
YUV	39.6920, -19.5682, 23.0721
Hunter-Lab	15.1734, 6.6071, 9.4654

Details

The CIELCh color **17, 28.033, 63.459** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **12, 25.099, 279.529**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 27.970, 64.055**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 28.033, 63.462**, and if you desaturate by 10%, it is **18, 25.898, 65.401**.

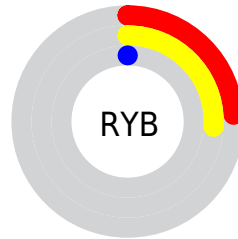
Distribution



Red (26%)

Green (13%)

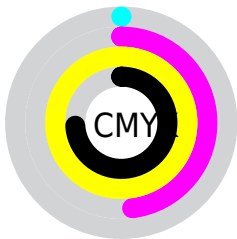
Blue (0%)



Red (24%)

Yellow (26%)

Blue (0%)

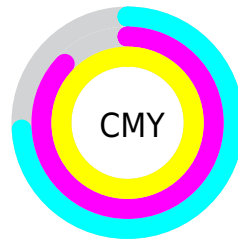


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (74%)



Cyan (74%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 28.033, 63.459 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, 28.033, 63.459 by changing the saturation by 10% instead.

 17, 28.033, 63.459

 17, 28.033, 63.459

 100, 28.033,
63.459

 7, 28.033, 63.459

 37, 28.033, 63.459

 0, 28.033, 63.459

 47, 28.033, 63.459

 57, 28.033, 63.459

 67, 28.033, 63.459

 77, 28.033, 63.459

 87, 28.033, 63.459

 97, 28.033, 63.459

■ 17, 28.033, 63.459

■ 17, 28.033, 63.459

■ 17, 28.033, 63.462

■ 18, 25.898, 65.401

■ 19, 23.687, 67.589

■ 20, 20.717, 69.092

■ 21, 17.489, 70.288

■ 22, 14.315, 71.448

■ 23, 11.234, 72.591

■ 24, 8.261, 73.720

■ 26, 5.400, 74.831

■ 27, 2.647, 75.903

Harmonies

Complementary

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



17, 28.033, 63.459



12, 25.099, 279.529

Rectangle

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



17, 28.033, 63.459



17, 28.033, 113.459



17, 28.033, 243.459



17, 28.033, 293.459

Sweetspot

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



17, 28.033, 63.462



32, 10.392, 73.573



11, 32.574, 356.760



15, 7.001, 73.385



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 28.033, 63.462



23, 36.739, 63.921



27, 36.495, 102.939



12, 1.474, 76.054



26, 40.580, 63.881



60, 77.113, 61.343

Inverse Universe

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



12, 25.099, 279.529



17, 31.425, 281.727



4, 45.935, 302.483



12, 1.453, 258.085



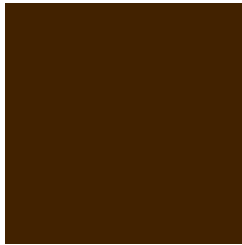
20, 34.438, 282.473



47, 68.457, 286.127

Previews

White Background



This preview shows how the CIE LCh color 17, 28.033, 63.459 looks on a white background.

Color Contrast Check

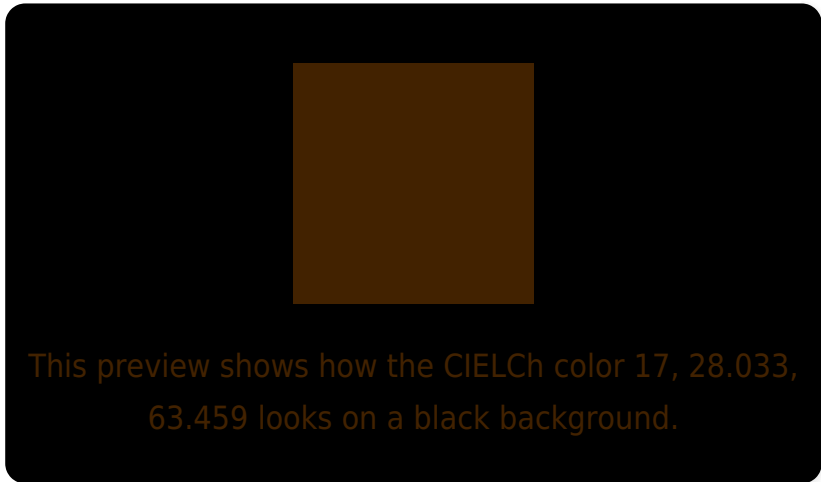
Large Text (above 18pt) WCAG AA ✓ Pass

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

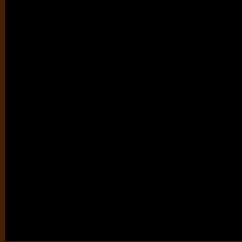
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 28.033, 63.459

Background



This preview shows how black text looks on a background with the CIELCh color 17, 28.033, 63.459.



This preview shows how white text looks on a background with the CIELCh color 17, 28.033, 63.459.

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, 28.033, 63.459

Protanopia

17, 22.640, 97.505

Deuteranopia

17, 25.098, 87.041



Tritanopia
17, 18.158, 20.174

Trichromacy



Original Color
17, 28.033, 63.459

Protanomaly
17, 23.453, 83.125

Deuteranomaly
17, 25.319, 77.316

Tritanomaly
17, 20.990, 44.059

Monochromacy



Original Color
17, 28.033, 63.459

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 10.975, 74.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 28.033, 63.459 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(66, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 34, 0)  
}
```

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(66, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 34, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 28.033, 63.459 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(66, 34, 0) }
```

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

```
.border{ border-color:rgb(66, 34, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 34, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 34, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 34, 0); box-shadow:4px  
4px 4px 4px rgb(66, 34, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 28.033, 63.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 34, 0) }
```

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

```
.background{ background-color: rgb(66, 34,  
0) }
```

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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