

Converting Colors

CIELCh(17, 16.508, 1.198)

Have a look what the booklet for
CIELCh(17, 16.508, 1.198) contains.

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Color

CIELCh(17, 16.877, 0.563)

Conversions

Conversions Part 1

Format	Color
Hex	40202A
RGB	64, 32, 42
RGB Percent	25%, 13%, 16%
CMY	0.7485, 0.8740, 0.8348
CMYK	0.00, 0.50, 0.34, 0.75
HSL	341°, 33%, 19%
HSV	341°, 50%, 25%
XYZ	3.0633, 2.3023, 2.4850
YIQ	42.7080, 15.8620, 9.8940

Conversions

Conversions Part 2

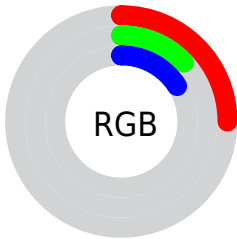
Format	Color
RYB	64, 32, 42
Decimal	4202538
CIELab	17.00, 16.88, 0.17
CIELCh	17, 16.877, 0.563
Yxy	2.3023, 0.3902, 0.2933
Android (android.graphics.Color)	4282392618 (0xFF40202A)
YUV	42.7080, -0.3490, 18.6731
Hunter-Lab	15.1734, 9.4825, 0.9113

Details

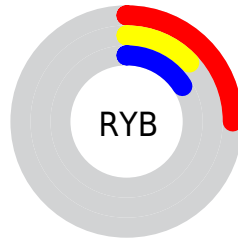
The CIELCh color **17, 16.877, 0.563** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **25, 14.895, 170.514**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 16.819, 0.891**, and **1, 2.773, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 20.235, 2.287**, and if you desaturate by 10%, it is **19, 13.418, 359.123**.

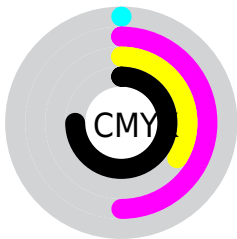
Distribution



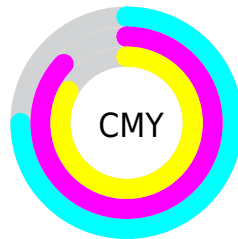
- Red (25%)
- Green (13%)
- Blue (16%)



- Red (25%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (34%)
- Black (75%)



- Cyan (75%)
- Magenta (87%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 16.877, 0.563 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, 16.877, 0.563 by changing the saturation by 10% instead.

 17, 16.877, 0.563  17, 16.877, 0.563

 100, 16.877, 0.563  7, 16.877, 0.563

 37, 16.877, 0.563  0, 16.877, 0.563

 47, 16.877, 0.563

 57, 16.877, 0.563

 67, 16.877, 0.563

 77, 16.877, 0.563

 87, 16.877, 0.563

 97, 16.877, 0.563

 17, 16.877, 0.563  17, 16.877, 0.563

15, 20.235, 2.287

19, 13.418,
359.123

14, 23.383, 4.378

21, 9.947, 357.894

12, 26.197, 6.943

23, 6.527, 356.825

11, 28.709, 9.900

25, 3.195, 355.864

10, 31.520, 11.958

27, 0.026, 183.261

10, 31.546, 11.969

29, 3.125, 174.437

32, 6.102, 173.735

34, 8.958, 173.115

36, 11.700,
172.550

Harmonies

Complementary

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



17, 16.877, 0.563



25, 14.895, 170.514

Rectangle

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



17, 16.877, 0.563



17, 16.877, 50.563



17, 16.877, 180.563



17, 16.877, 230.563

Sweetspot

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



17, 16.876, 0.565



32, 6.121, 356.409



16, 23.882, 317.061



15, 4.219, 356.496



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, 16.876, 0.565



21, 25.358, 2.824



18, 14.651, 38.059



12, 1.839, 355.737



19, 42.237, 16.127



47, 79.475, 20.782

Inverse Universe

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



17, 16.876, 0.565



21, 25.358, 2.824



23, 10.586, 219.766



12, 1.839, 355.737



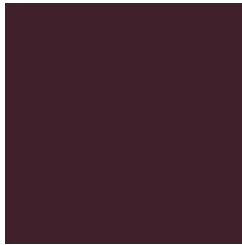
19, 42.237, 16.127



47, 79.475, 20.782

Previews

White Background



This preview shows how the CIE LCh color 17, 16.877, 0.563 looks on a white background.

Color Contrast Check

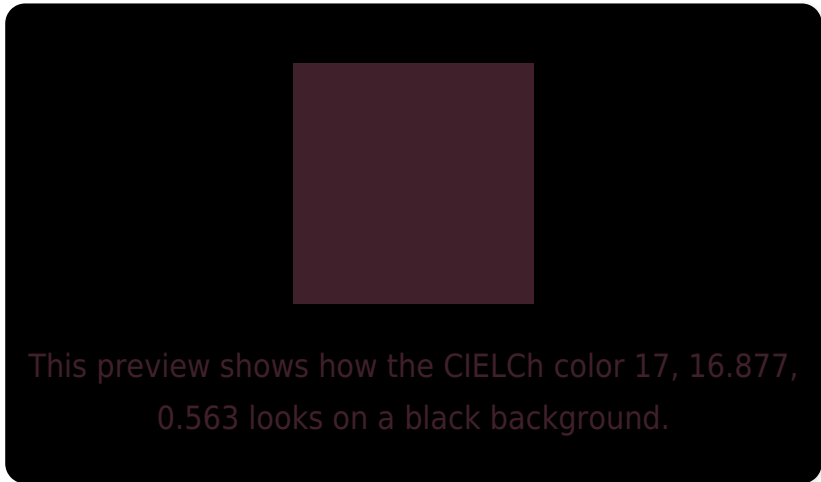
Large Text (above 18pt) WCAG AA ✓ Pass

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

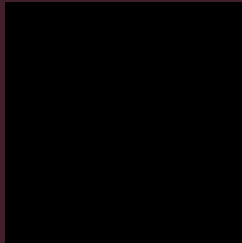
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 16.877, 0.563

Background



This preview shows how black text looks on a background with the CIELCh color 17, 16.877, 0.563.



This preview shows how white text looks on a background with the CIELCh color 17, 16.877, 0.563.

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, 16.877, 0.563

Protanopia

17, 4.170, 291.253

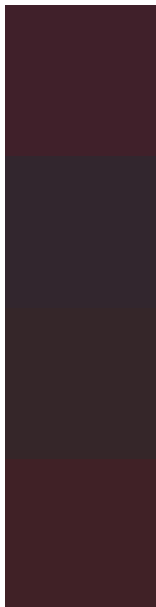
Deuteranopia

17, 2.936, 20.013



Tritanopia
17, 15.962, 16.484

Trichromacy



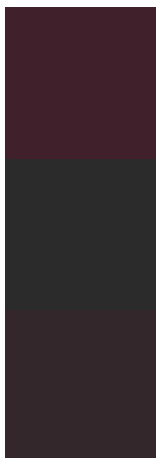
Original Color
17, 16.877, 0.563

Protanomaly
17, 7.960, 337.108

Deuteranomaly
17, 7.687, 5.748

Tritanomaly
17, 15.924, 11.578

Monochromacy



Original Color
17, 16.877, 0.563

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 6.452, 355.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 16.877, 0.563 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(64, 32, 42)` looks like.

```
.text, #text, p{  
    color:rgb(64, 32, 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(64, 32, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 32, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 16.877, 0.563 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(64, 32, 42) }
```

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

```
.border{ border-color:rgb(64, 32, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 32, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 32, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 32, 42);  
box-shadow:4px 4px 4px 4px rgb(64, 32, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 16.877, 0.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 32, 42) }
```

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

```
.background{ background-color: rgb(64, 32,  
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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