

Converting Colors

CIELCh(17, 16.767, 23.926)

Have a look what the booklet for
CIELCh(17, 16.767, 23.926) contains.

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Color

CIELCh(17, 16.786, 23.838)

Conversions

Conversions Part 1

Format	Color
Hex	412121
RGB	65, 33, 33
RGB Percent	25%, 13%, 13%
CMY	0.7459, 0.8713, 0.8713
CMYK	0.00, 0.49, 0.49, 0.75
HSL	360°, 33%, 19%
HSV	360°, 49%, 25%
XYZ	2.9762, 2.3023, 1.7128
YIQ	42.5680, 19.0720, 6.7840

Conversions

Conversions Part 2

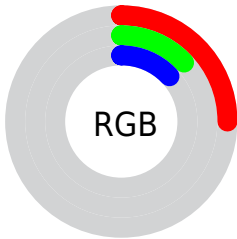
Format	Color
RYB	65, 33, 33
Decimal	4268321
CIELab	17.00, 15.35, 6.78
CIELCh	17, 16.786, 23.838
Yxy	2.3023, 0.4257, 0.3293
Android (android.graphics.Color)	4282458401 (0xFF412121)
YUV	42.5680, -4.7170, 19.6729
Hunter-Lab	15.1734, 8.4582, 3.9287

Details

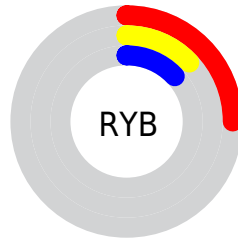
The CIELCh color **17, 16.786, 23.838** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **25, 12.315, 197.381**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 16.938, 24.014**, and **0, 1.941, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 20.711, 25.559**, and if you desaturate by 10%, it is **19, 12.992, 22.481**.

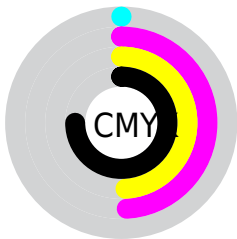
Distribution



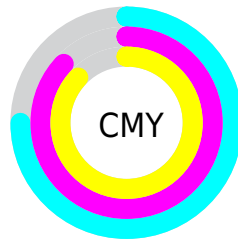
- Red (25%)
- Green (13%)
- Blue (13%)



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



- Cyan (0%)
- Magenta (49%)
- Yellow (49%)
- Black (75%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 16.786, 23.838 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, 16.786, 23.838 by changing the saturation by 10% instead.

 17, 16.786, 23.838

 17, 16.786, 23.838

 100, 16.786,
23.838

 7, 16.786, 23.838

 37, 16.786, 23.838

 0, 16.786, 23.838

 47, 16.786, 23.838

 57, 16.786, 23.838

 67, 16.786, 23.838

 77, 16.786, 23.838

 87, 16.786, 23.838

 97, 16.786, 23.838

■ 17, 16.786, 23.838

■ 17, 16.786, 23.838

■ 15, 20.711, 25.559

■ 19, 12.992, 22.481

■ 14, 24.658, 27.543

■ 21, 9.382, 21.404

■ 12, 28.068, 28.281

■ 23, 5.979, 20.542

■ 11, 30.821, 28.186

■ 25, 2.792, 19.820

■ 10, 33.650, 27.619

■ 28, 0.186, 200.705

■ 10, 33.841, 27.566

■ 30, 2.965, 199.014

■ 32, 5.562, 198.618

■ 34, 7.995, 198.311

■ 37, 10.280,
198.062

Harmonies

Complementary

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



17, 16.786, 23.838



25, 12.315, 197.381

Rectangle

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



17, 16.786, 23.838



17, 16.786, 73.838



17, 16.786, 203.838



17, 16.786, 253.838

Sweetspot

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



17, 16.785, 23.842



32, 5.687, 20.263



18, 25.166, 326.239



15, 3.927, 20.329



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, 16.785, 23.842



21, 25.718, 25.985



21, 13.740, 68.321



12, 1.688, 19.763



18, 48.291, 35.255



47, 94.940, 39.995

Inverse Universe

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



17, 16.785, 23.842



21, 25.718, 25.985



20, 11.968, 261.221



12, 1.688, 19.763



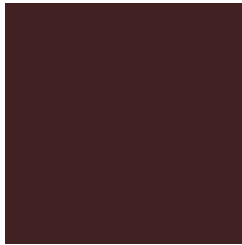
18, 48.291, 35.255



47, 94.940, 39.995

Previews

White Background



This preview shows how the CIELCh color 17, 16.786, 23.838 looks on a white background.

Color Contrast Check

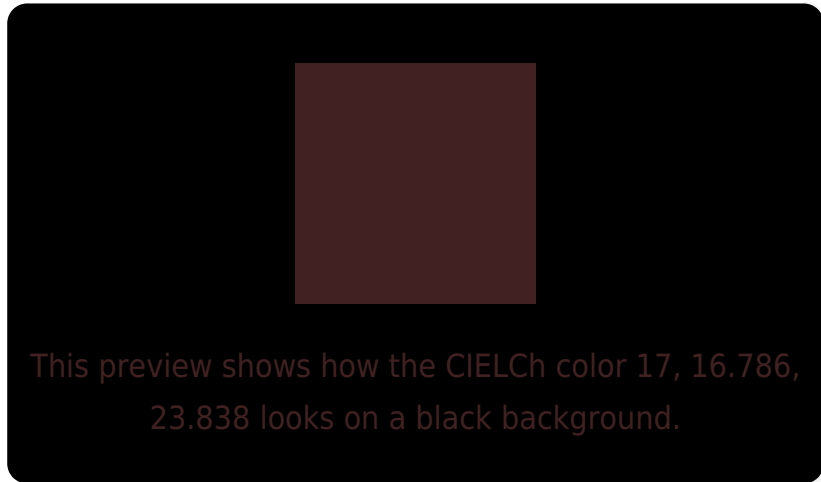
Large Text (above 18pt) WCAG AA ✓ Pass

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

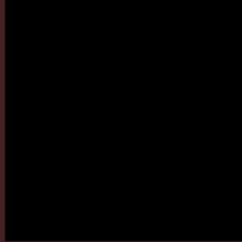
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 16.786, 23.838

Background



This preview shows how black text looks on a background with the CIELCh color 17, 16.786, 23.838.



This preview shows how white text looks on a background with the CIELCh color 17, 16.786, 23.838.

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, 16.786, 23.838

Protanopia

17, 3.598, 93.166

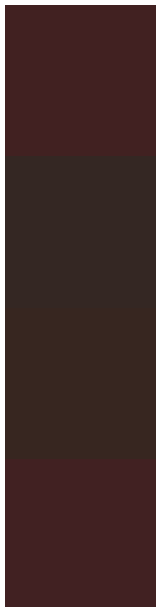
Deuteranopia

17, 8.437, 74.177



Tritanopia
17, 16.545, 19.220

Trichromacy



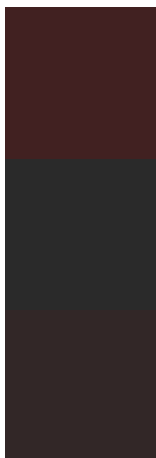
Original Color
17, 16.786, 23.838

Protanomaly
17, 7.308, 42.861

Deuteranomaly
17, 10.013, 45.423

Tritanomaly
17, 16.650, 21.547

Monochromacy



Original Color
17, 16.786, 23.838

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.497, 20.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 16.786, 23.838 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(65, 33, 33)` looks like.

```
.text, #text, p{  
    color:rgb(65, 33, 33)  
}
```

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(65, 33, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 33, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 16.786, 23.838 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(65, 33, 33) }
```

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

```
.border{ border-color:rgb(65, 33, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 33, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 33, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 33, 33);  
box-shadow:4px 4px 4px 4px rgb(65, 33, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 16.786, 23.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 33, 33) }
```

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

```
.background{ background-color: rgb(65, 33,  
33) }
```

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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