

Converting Colors

CIELCh(16, 17.023, 19.633)

Have a look what the booklet for
CIELCh(16, 17.023, 19.633) contains.

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Color

CIELCh(16, 17.266, 19.841)

Conversions

Conversions Part 1

Format	Color
Hex	3F1E20
RGB	63, 30, 32
RGB Percent	25%, 12%, 13%
CMY	0.7525, 0.8819, 0.8741
CMYK	0.00, 0.52, 0.49, 0.75
HSL	356°, 35%, 18%
HSV	356°, 52%, 25%
XYZ	2.7864, 2.0993, 1.6320
YIQ	40.0950, 19.0260, 7.6180

Conversions

Conversions Part 2

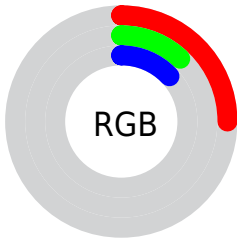
Format	Color
RYB	63, 30, 32
Decimal	4136480
CIELab	16.00, 16.24, 5.86
CIELCh	16, 17.266, 19.841
Yxy	2.0993, 0.4275, 0.3221
Android (android.graphics.Color)	4282326560 (0xFF3F1E20)
YUV	40.0950, -3.9908, 20.0877
Hunter-Lab	14.4890, 8.9721, 3.4638

Details

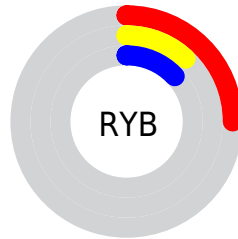
The CIELCh color **16, 17.266, 19.841** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 12.916, 191.315**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 16.895, 20.020**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 20.962, 21.767**, and if you desaturate by 10%, it is **18, 13.635, 18.297**.

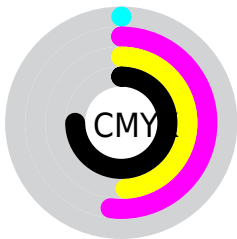
Distribution



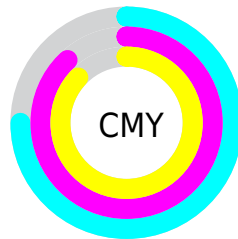
- Red (25%)
- Green (12%)
- Blue (13%)



- Red (25%)
- Yellow (12%)
- Blue (13%)



- Cyan (0%)
- Magenta (52%)
- Yellow (49%)
- Black (75%)



- Cyan (75%)
- Magenta (88%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 17.266, 19.841 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 16, 17.266, 19.841 by changing the saturation by 10% instead.

 16, 17.266, 19.841

 16, 17.266, 19.841

 100, 17.266,
19.841

 6, 17.266, 19.841

 36, 17.266, 19.841

 0, 17.266, 19.841

 46, 17.266, 19.841

 56, 17.266, 19.841

 66, 17.266, 19.841

 76, 17.266, 19.841

 86, 17.266, 19.841

 96, 17.266, 19.841

■ 16, 17.266, 19.841

■ 16, 17.266, 19.841

■ 14, 20.962, 21.767

■ 18, 13.635, 18.297

■ 13, 24.612, 23.978

■ 20, 10.131, 17.047

■ 12, 27.759, 25.131

■ 22, 6.791, 16.024

■ 10, 30.440, 25.110

■ 24, 3.633, 15.162

■ 10, 32.608, 24.496

■ 26, 0.659, 14.173

■ 28, 2.134, 194.070

■ 31, 4.759, 193.514

■ 33, 7.228, 193.073

■ 35, 9.556, 192.696

Harmonies

Complementary

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



16, 17.266, 19.841



24, 12.916, 191.315

Rectangle

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



16, 17.266, 19.841



16, 17.266, 69.841



16, 17.266, 199.841



16, 17.266, 249.841

Sweetspot

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



16, 17.265, 19.844



30, 5.931, 15.525



17, 25.737, 324.848



14, 3.943, 15.576



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 17.265, 19.844



19, 26.388, 22.522



20, 14.193, 62.893



10, 1.578, 14.844



18, 46.063, 32.461



46, 91.713, 38.052

Inverse Universe

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



16, 17.265, 19.844



19, 26.388, 22.522



19, 11.732, 255.748



10, 1.578, 14.844



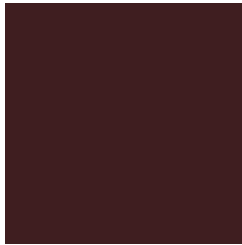
18, 46.063, 32.461



46, 91.713, 38.052

Previews

White Background



This preview shows how the CIE LCh color 16, 17.266, 19.841 looks on a white background.

Color Contrast Check

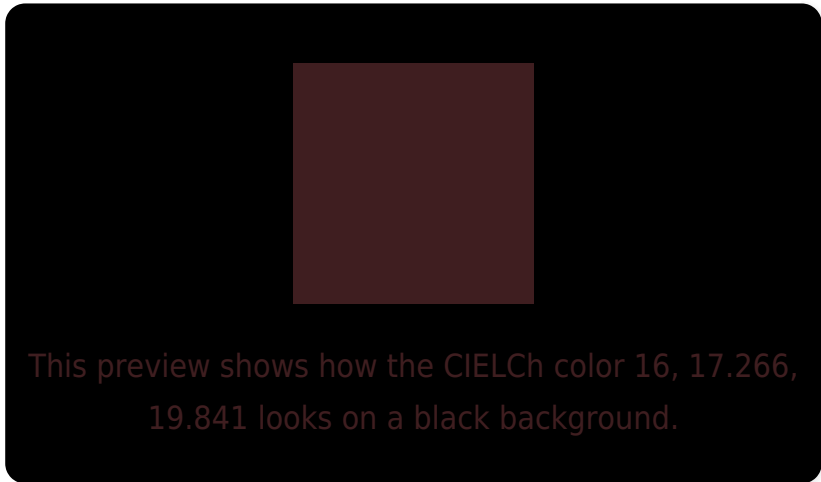
Large Text (above 18pt) WCAG AA ✓ Pass

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

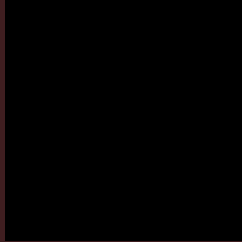
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 17.266, 19.841

Background



This preview shows how black text looks on a background with the CIELCh color 16, 17.266, 19.841.

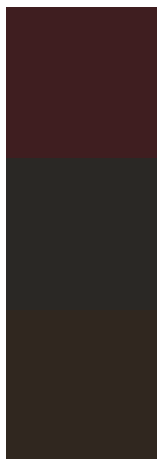


This preview shows how white text looks on a background with the CIELCh color 16, 17.266, 19.841.

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

16, 17.266, 19.841

Protanopia

16, 2.309, 84.174

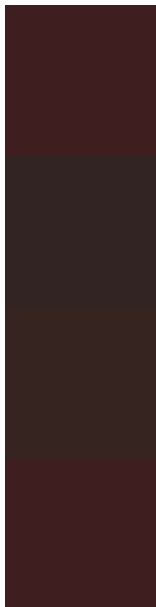
Deuteranopia

16, 7.360, 68.681



Tritanopia
16, 17.266, 19.841

Trichromacy



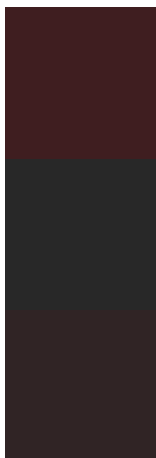
Original Color
16, 17.266, 19.841

Protanomaly
16, 7.234, 26.622

Deuteranomaly
16, 9.767, 42.002

Tritanomaly
16, 17.266, 19.841

Monochromacy



Original Color
16, 17.266, 19.841

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 6.077, 14.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 17.266, 19.841 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(63, 30, 32)` looks like.

```
.text, #text, p{  
    color:rgb(63, 30, 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(63, 30, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 30, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 17.266, 19.841 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(63, 30, 32) }
```

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

```
.border{ border-color:rgb(63, 30, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 30, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 30, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 30, 32);  
box-shadow:4px 4px 4px 4px rgb(63, 30, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 17.266, 19.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 30, 32) }
```

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

```
.background{ background-color: rgb(63, 30,  
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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