

Converting Colors

CIELCh(17, 19.450, 315.851)

Have a look what the booklet for
CIELCh(17, 19.450, 315.851)
contains.

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Color

CIELCh(17, 19.450, 315.851)

Conversions

Conversions Part 1

Format	Color
Hex	34233D
RGB	52, 35, 61
RGB Percent	20%, 14%, 24%
CMY	0.7947, 0.8614, 0.7594
CMYK	0.15, 0.42, 0.00, 0.76
HSL	279°, 27%, 19%
HSV	279°, 42%, 24%
XYZ	2.8977, 2.3023, 4.7578
YIQ	43.0470, 1.7860, 11.6900

Conversions

Conversions Part 2

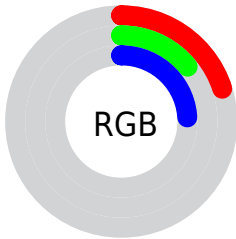
Format	Color
R_{YB}	52, 35, 61
Decimal	3416893
CIE Lab	17.00, 13.96, -13.55
CIE LCh	17, 19.450, 315.851
Yxy	2.3023, 0.2910, 0.2312
Android (android.graphics.Color)	4281606973 (0xFF34233D)
YUV	43.0470, 8.8508, 7.8518
Hunter-Lab	15.1734, 7.5347, -7.9695

Details

The CIELCh color **17, 19.450, 315.851** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **24, 18.819, 132.512**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 19.515, 315.371**, and **1, 7.635, 288.097** is the 20% darker color. If you saturate the color by 10%, you get **15, 24.060, 316.211**, and if you desaturate by 10%, it is **19, 14.792, 315.468**.

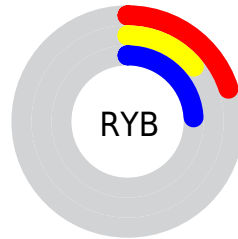
Distribution



 Red (20%)

 Green (14%)

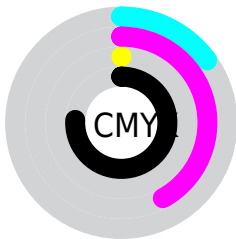
 Blue (24%)




 Red (20%)

 Yellow (14%)

 Blue (24%)

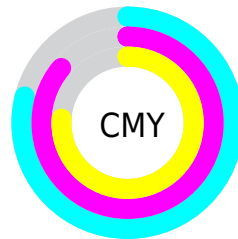


 Cyan (15%)

 Magenta (42%)

 Yellow (0%)

 Black (76%)



 Cyan (79%)

 Magenta (86%)

 Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 19.450, 315.851 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, 19.450, 315.851 by changing the saturation by 10% instead.

■ 17, 19.450,
315.851

■ 17, 19.450,
315.851

■ 100, 19.450,
315.851

■ 7, 19.450, 315.851

■ 37, 19.450,
315.851

■ 0, 19.450, 315.851

■ 47, 19.450,
315.851


■ 57, 19.450,
315.851


■ 67, 19.450,
315.851


■ 77, 19.450,
315.851


■ 87, 19.450,

315.851


 97, 19.450,
315.851


 17, 19.450,
315.851


 17, 19.450,
315.851

 15, 24.060,
316.211


 19, 14.792,
315.468

 13, 28.529,
316.525

 21, 10.152,
315.080

 11, 32.726,
316.759

 23, 5.571, 314.696

 10, 36.483,
316.872

 25, 1.074, 314.279

 28, 3.323, 134.026

 8, 40.101, 316.992

 30, 7.613, 133.695

■ 7, 43.173, 317.204

■ 32, 11.794,
133.398

■ 34, 15.866,
133.127

■ 36, 19.831,
132.881

Harmonies

Complementary

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



17, 19.450, 315.851



24, 18.819, 132.512

Rectangle

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



17, 19.450, 315.851



17, 19.450, 5.851



17, 19.450, 135.851



17, 19.450, 185.851

Sweetspot

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



17, 19.449, 315.851



30, 7.214, 314.740



18, 12.059, 275.845



14, 5.100, 314.781



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



17, 19.449, 315.851



21, 28.912, 316.239



18, 18.899, 331.102



10, 2.476, 314.543



15, 58.123, 316.615



40, 108.834, 315.831

Inverse Universe

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



18, 13.938, 357.062



21, 20.746, 358.618



23, 18.877, 145.959



10, 1.747, 353.456



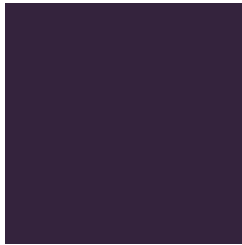
18, 41.080, 12.892



47, 77.655, 17.592

Previews

White Background



This preview shows how the CIELCh color 17, 19.450, 315.851 looks on a white background.

Color Contrast Check

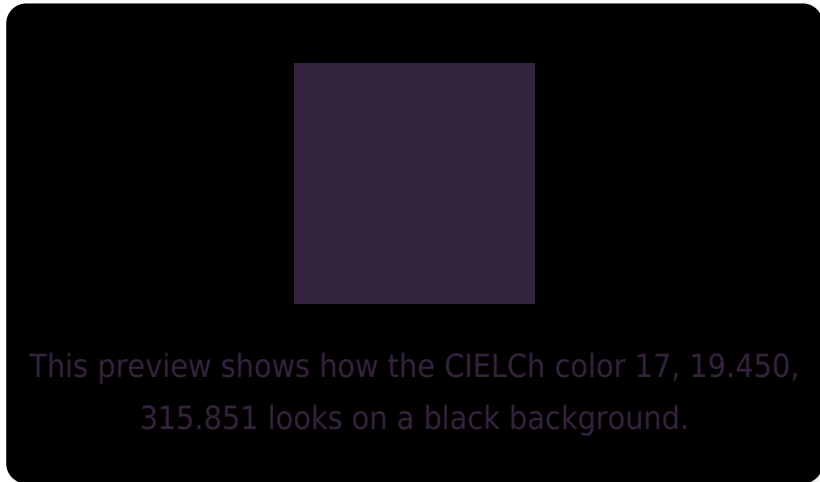
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.450, 315.851

Background



This preview shows how black text looks on a background with the CIELCh color 17, 19.450, 315.851.



This preview shows how white text looks on a background with the CIELCh color 17, 19.450, 315.851.

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, 19.450, 315.851

Protanopia

17, 17.500, 284.946

Deuteranopia

17, 12.698, 280.822



Tritanopia
17, 5.581, 350.992

Trichromacy



Original Color
17, 19.450, 315.851

Protanomaly
17, 17.446, 295.791

Deuteranomaly
17, 13.949, 295.338

Tritanomaly
17, 10.028, 325.525

Monochromacy



Original Color
17, 19.450, 315.851

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 7.513, 313.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 19.450, 315.851 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(52, 35, 61)` looks like.

```
.text, #text, p{  
    color:rgb(52, 35, 61)  
}
```

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(52, 35, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 35, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 19.450, 315.851 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(52, 35, 61) }
```

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

```
.border{ border-color:rgb(52, 35, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 35, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 35, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 35, 61);  
box-shadow:4px 4px 4px 4px rgb(52, 35, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 19.450, 315.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 35, 61) }
```

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

```
.background{ background-color: rgb(52, 35,  
61) }
```

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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