

Converting Colors

CIELCh(19, 17.424, 101.829)

Have a look what the booklet for
CIELCh(19, 17.424, 101.829)
contains.

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Color

CIELCh(19, 17.313, 102.259)

Conversions

Conversions Part 1

Format	Color
Hex	312F15
RGB	49, 47, 21
RGB Percent	19%, 18%, 8%
CMY	0.8076, 0.8154, 0.9174
CMYK	0.00, 0.04, 0.57, 0.81
HSL	56°, 40%, 14%
HSV	56°, 57%, 19%
XYZ	2.4245, 2.7468, 1.1146
YIQ	44.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

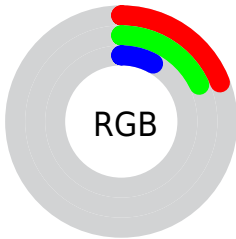
Format	Color
RYB	23, 49, 21
Decimal	3223317
CIELab	19.00, -3.68, 16.92
CIELCh	19, 17.313, 102.259
Yxy	2.7468, 0.3857, 0.4370
Android (android.graphics.Color)	4281413397 (0xFF312F15)
YUV	44.6340, -11.6516, 3.8290
Hunter-Lab	16.5735, -2.8910, 7.6139

Details

The CIELCh color **19, 17.313, 102.259** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 19.349, 294.230**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 17.568, 102.830**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 20.060, 101.457**, and if you desaturate by 10%, it is **19, 14.402, 103.109**.

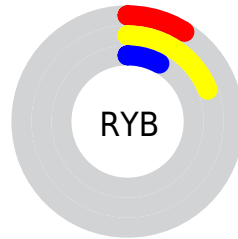
Distribution



Red (19%)

Green (18%)

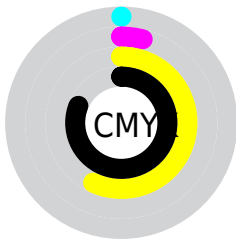
Blue (8%)



Red (9%)

Yellow (19%)

Blue (8%)

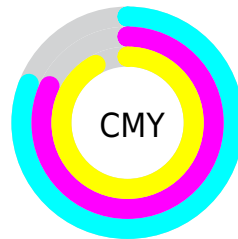


Cyan (0%)

Magenta (4%)

Yellow (57%)

Black (81%)



Cyan (81%)


Magenta (82%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 19, 17.313, 102.259 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 19, 17.313, 102.259 by changing the saturation by 10% instead.

 19, 17.313,
102.259


 19, 17.313,
102.259


 100, 17.313,
102.259


 9, 17.313, 102.259


 39, 17.313,
102.259

 0, 17.313, 102.259

 49, 17.313,
102.259


 59, 17.313,
102.259


 69, 17.313,
102.259


 79, 17.313,
102.259


 89, 17.313,


102.259


 99, 17.313,
102.259


 19, 17.313,
102.259


 19, 17.313,
102.259

 19, 20.060,
101.457

 19, 14.402,
103.109

 19, 22.293,
100.835

 19, 11.404,
103.970

 18, 24.106,
100.338

 20, 8.354, 104.836

 18, 25.903, 99.922

 20, 5.276, 105.696

 18, 26.428, 99.814

 20, 2.186, 106.539

 20, 0.906, 287.429

■ 21, 3.992, 288.213

■ 21, 7.067, 288.999

■ 21, 10.129,
289.760

Harmonies

Complementary

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



19, 17.313, 102.259



9, 19.349, 294.230

Rectangle

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



19, 17.313, 102.259



19, 17.313, 152.259



19, 17.313, 282.259



19, 17.313, 332.259

Sweetspot

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



19, 17.313, 102.262



26, 6.543, 105.624



11, 15.243, 18.478



12, 4.424, 105.611



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 17.313, 102.262



25, 25.174, 101.079



19, 19.488, 123.787



9, 1.761, 106.448



35, 42.943, 98.442



80, 81.382, 98.032

Inverse Universe

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



9, 19.349, 294.230



10, 29.415, 296.943



10, 21.205, 308.890



8, 1.787, 287.821



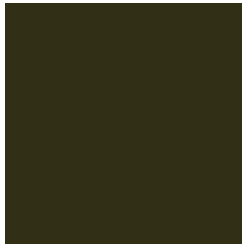
8, 57.987, 304.314



28, 115.224, 305.545

Previews

White Background



This preview shows how the CIELCh color 19, 17.313, 102.259 looks on a white background.

Color Contrast Check

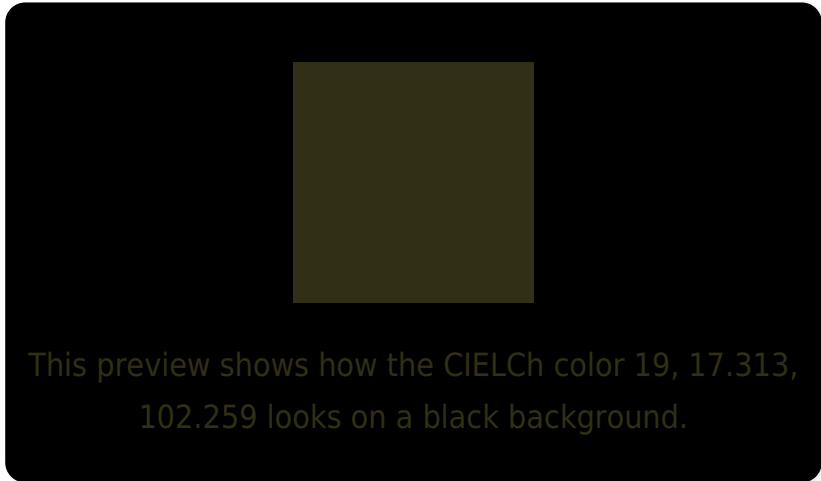
Large Text (above 18pt) WCAG AA ✓ Pass

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

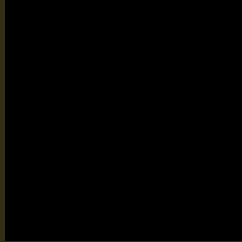
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

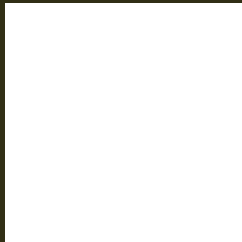
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 17.313, 102.259

Background



This preview shows how black text looks on a background with the CIELCh color 19, 17.313, 102.259.

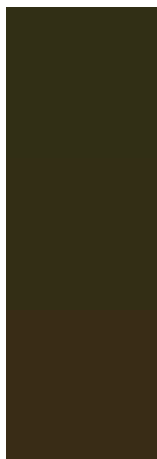


This preview shows how white text looks on a background with the CIELCh color 19, 17.313, 102.259.

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


19, 17.313, 102.259

Protanopia

19, 16.937, 96.675

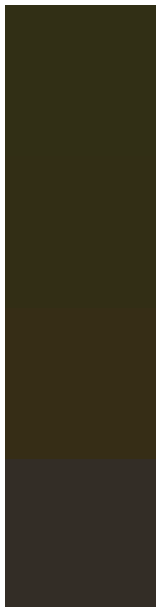
Deuteranopia

19, 16.649, 80.877



Tritanopia
19, 4.683, 344.715

Trichromacy



Original Color
19, 17.313, 102.259

Protanomaly
19, 16.848, 98.512

Deuteranomaly
19, 16.307, 88.625

Tritanomaly
19, 5.673, 76.741

Monochromacy



Original Color
19, 17.313, 102.259

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 6.818, 108.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 17.313, 102.259 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(49, 47, 21)` looks like.

```
.text, #text, p{  
    color:rgb(49, 47, 21)  
}
```

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(49, 47, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 47, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 17.313, 102.259 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(49, 47, 21) }
```

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

```
.border{ border-color:rgb(49, 47, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 47, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 47, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 47, 21);  
box-shadow:4px 4px 4px 4px rgb(49, 47, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 17.313, 102.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 47, 21) }
```

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

```
.background{ background-color: rgb(49, 47,  
21) }
```

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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