

Converting Colors

CIELCh(19, 13.399, 19.054)

Have a look what the booklet for
CIELCh(19, 13.399, 19.054) contains.

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Color

CIELCh(19, 13.178, 19.682)

Conversions

Conversions Part 1

Format	Color
Hex	412728
RGB	65, 39, 40
RGB Percent	25%, 15%, 16%
CMY	0.7444, 0.8464, 0.8425
CMYK	0.00, 0.40, 0.38, 0.74
HSL	358°, 25%, 20%
HSV	358°, 40%, 26%
XYZ	3.3094, 2.7468, 2.3782
YIQ	46.8880, 15.1750, 5.8230

Conversions

Conversions Part 2

Format	Color
R_{YB}	65, 39, 40
Decimal	4269864
CIE _{Lab}	19.00, 12.41, 4.44
CIE _{LCh}	19, 13.178, 19.682
Yxy	2.7468, 0.3924, 0.3257
Android (android.graphics.Color)	4282459944 (0xFF412728)
YUV	46.8880, -3.3958, 15.8842
Hunter-Lab	16.5735, 6.6391, 3.0936

Details

The CIELCh color **19, 13.178, 19.682** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 10.511, 194.084**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 13.346, 18.755**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 16.923, 21.139**, and if you desaturate by 10%, it is **21, 9.587, 18.519**.

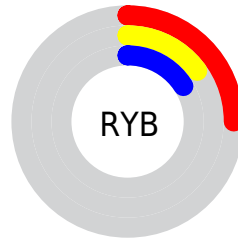
Distribution



 Red (25%)

 Green (15%)

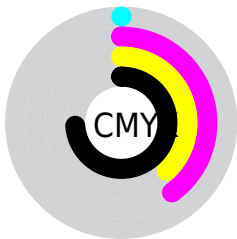
 Blue (16%)



 Red (25%)

 Yellow (15%)

 Blue (16%)

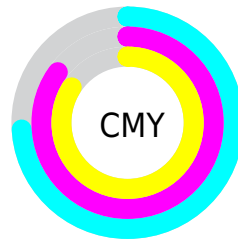


 Cyan (0%)

 Magenta (40%)

 Yellow (38%)

 Black (74%)



 Cyan (74%)

 Magenta (85%)

 Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.178, 19.682 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, 13.178, 19.682 by changing the saturation by 10% instead.

 19, 13.178, 19.682

 19, 13.178, 19.682

 100, 13.178,
19.682

 9, 13.178, 19.682

 39, 13.178, 19.682

 0, 13.178, 19.682

 49, 13.178, 19.682

 59, 13.178, 19.682

 69, 13.178, 19.682

 79, 13.178, 19.682

 89, 13.178, 19.682

 99, 13.178, 19.682

19, 13.178, 19.682

19, 13.178, 19.682

17, 16.923, 21.139

21, 9.587, 18.519

15, 20.770, 22.955

23, 6.184, 17.570

14, 24.635, 25.188

25, 2.980, 16.765

12, 28.068, 26.537

28, 0.026, 205.696

11, 30.848, 26.781

30, 2.842, 195.788

10, 33.669, 26.198

32, 5.482, 195.308

10, 33.696, 26.191

34, 7.961, 194.921

37, 10.296,
194.595

39, 12.500,
194.314

Harmonies

Complementary

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



19, 13.178, 19.682



26, 10.511, 194.084

Rectangle

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



19, 13.178, 19.682



19, 13.178, 69.682



19, 13.178, 199.682



19, 13.178, 249.682

Sweetspot

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



19, 13.177, 19.686



32, 4.500, 16.966



20, 20.481, 324.869



15, 3.015, 16.994



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 13.177, 19.686



23, 20.132, 21.153



22, 10.824, 65.805



12, 1.689, 16.659



18, 47.545, 33.746



47, 93.397, 38.787

Inverse Universe

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



19, 13.177, 19.686



23, 20.132, 21.153



22, 9.501, 255.344



12, 1.689, 16.659



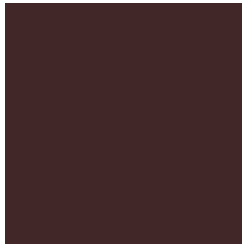
18, 47.545, 33.746



47, 93.397, 38.787

Previews

White Background



This preview shows how the CIELCh color 19, 13.178, 19.682 looks on a white background.

Color Contrast Check

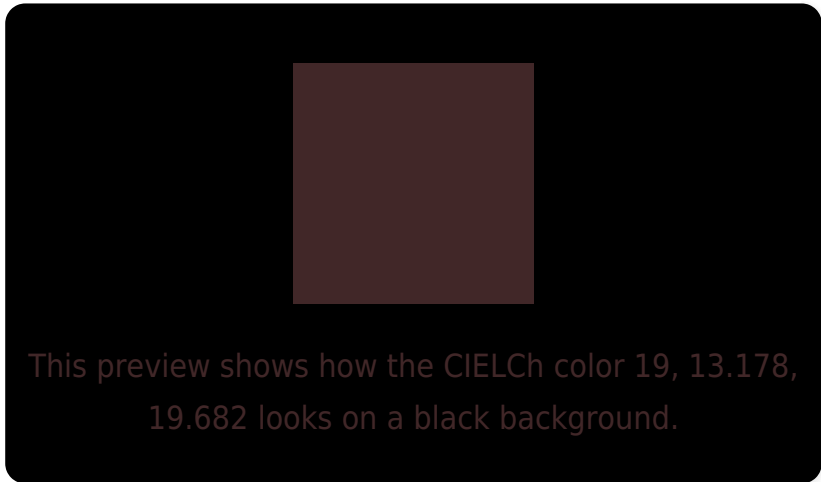
Large Text (above 18pt) WCAG AA ✓ Pass

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

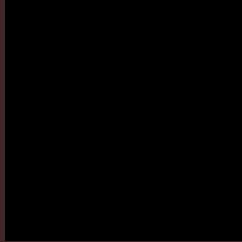
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.178, 19.682

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.178, 19.682.

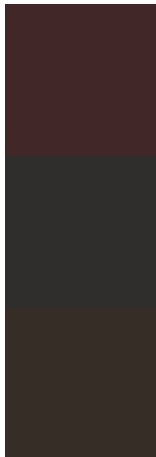


This preview shows how white text looks on a background with the CIELCh color 19, 13.178, 19.682.

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, 13.178, 19.682

Protanopia

19, 1.663, 74.505

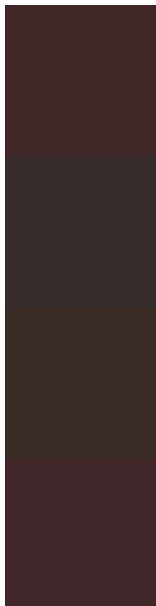
Deuteranopia

19, 6.145, 61.502



Tritanopia
19, 13.105, 13.814

Trichromacy



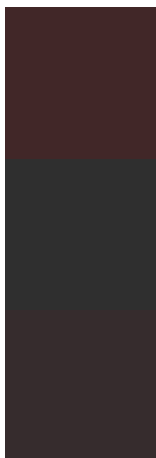
Original Color
19, 13.178, 19.682

Protanomaly
19, 4.971, 28.265

Deuteranomaly
19, 8.153, 40.274

Tritanomaly
19, 13.123, 16.756

Monochromacy



Original Color
19, 13.178, 19.682

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.899, 12.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.178, 19.682 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, 39, 40)` looks like.

```
.text, #text, p{  
    color:rgb(65, 39, 40)  
}
```

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, 39, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 39, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.178, 19.682 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, 39, 40) }
```

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

```
.border{ border-color:rgb(65, 39, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 39, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 39, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 39, 40);  
box-shadow:4px 4px 4px 4px rgb(65, 39, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.178, 19.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 39, 40) }
```

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

```
.background{ background-color: rgb(65, 39,  
40) }
```

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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