

Converting Colors

CIELCh(19, 14.892, 59.889)

Have a look what the booklet for
CIELCh(19, 14.892, 59.889) contains.

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Color

CIELCh(19, 14.733, 60.459)

Conversions

Conversions Part 1

Format	Color
Hex	3E2A1C
RGB	62, 42, 28
RGB Percent	24%, 16%, 11%
CMY	0.7575, 0.8359, 0.8908
CMYK	0.00, 0.32, 0.55, 0.76
HSL	25°, 38%, 18%
HSV	25°, 55%, 24%
XYZ	3.0063, 2.7468, 1.4611
YIQ	46.3840, 16.4140, -0.1140

Conversions

Conversions Part 2

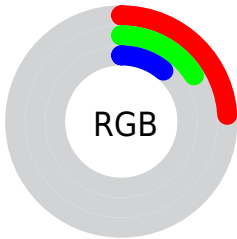
Format	Color
RYB	62, 52, 28
Decimal	4074012
CIELab	19.00, 7.26, 12.82
CIELCh	19, 14.733, 60.459
Yxy	2.7468, 0.4167, 0.3807
Android (android.graphics.Color)	4282264092 (0xFF3E2A1C)
YUV	46.3840, -9.0633, 13.6952
Hunter-Lab	16.5735, 3.3752, 6.3744

Details

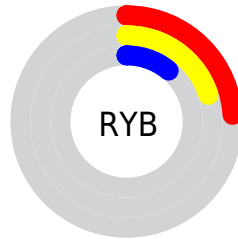
The CIELCh color **19, 14.733, 60.459** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 11.818, 253.511**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 14.586, 58.878**, and **1, 2.495, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.872, 59.652**, and if you desaturate by 10%, it is **20, 11.728, 61.297**.

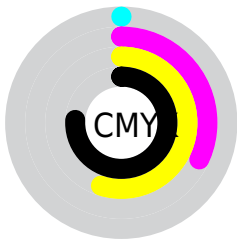
Distribution



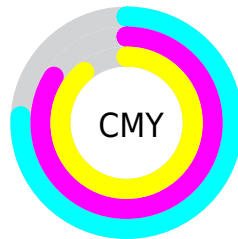
- Red (24%)
- Green (16%)
- Blue (11%)



- Red (24%)
- Yellow (20%)
- Blue (11%)



- Cyan (0%)
- Magenta (32%)
- Yellow (55%)
- Black (76%)



- Cyan (76%)
- Magenta (84%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 14.733, 60.459 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, 14.733, 60.459 by changing the saturation by 10% instead.

 19, 14.733, 60.459

 19, 14.733, 60.459

 100, 14.733,
60.459

 9, 14.733, 60.459

 39, 14.733, 60.459

 0, 14.733, 60.459

 49, 14.733, 60.459

 59, 14.733, 60.459

 69, 14.733, 60.459

 79, 14.733, 60.459

 89, 14.733, 60.459

 99, 14.733, 60.459

■ 19, 14.733, 60.459

■ 19, 14.733, 60.459

■ 18, 17.872, 59.652

■ 20, 11.728, 61.297

■ 17, 20.914, 58.513

■ 22, 8.872, 62.155

■ 16, 23.272, 56.268

■ 23, 6.163, 63.032

■ 15, 25.391, 53.999

■ 24, 3.595, 63.913

■ 14, 26.466, 53.055

■ 25, 1.159, 64.712

■ 27, 1.158, 245.951

■ 28, 3.366, 246.747

■ 30, 5.477, 247.617

■ 31, 7.500, 248.481

Harmonies

Complementary

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



19, 14.733, 60.459



19, 11.818, 253.511

Rectangle

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



19, 14.733, 60.459



19, 14.733, 110.459



19, 14.733, 240.459



19, 14.733, 290.459

Sweetspot

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



19, 14.733, 60.464



32, 4.871, 63.756



16, 20.601, 342.961



15, 3.238, 63.703



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 14.733, 60.464



24, 23.115, 59.318



24, 19.734, 100.711



11, 1.300, 64.465



23, 40.620, 55.158



55, 80.353, 53.461

Inverse Universe

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



19, 11.818, 253.511



24, 17.384, 257.129



13, 21.897, 293.117



11, 1.267, 246.241



22, 27.670, 270.337



53, 54.875, 274.604

Previews

White Background



This preview shows how the CIELCh color 19, 14.733, 60.459 looks on a white background.

Color Contrast Check

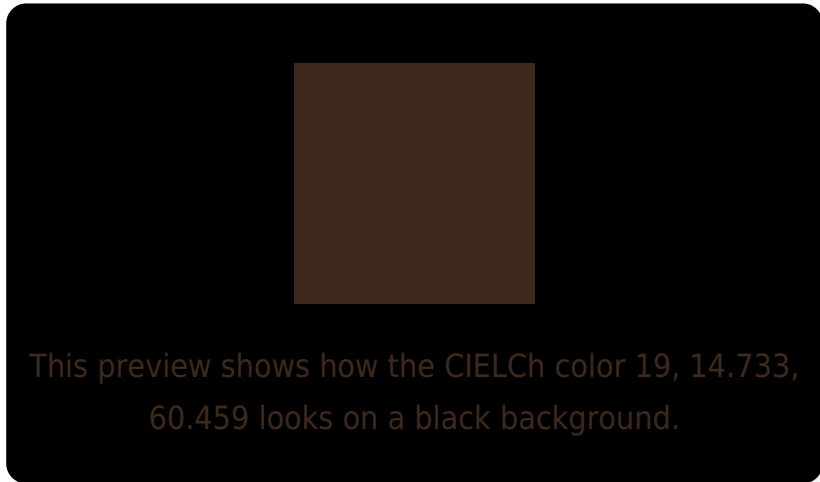
Large Text (above 18pt) WCAG AA ✓ Pass

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

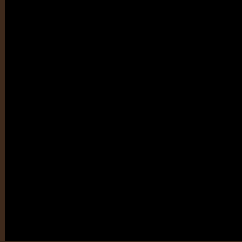
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 14.733, 60.459

Background



This preview shows how black text looks on a background with the CIELCh color 19, 14.733, 60.459.

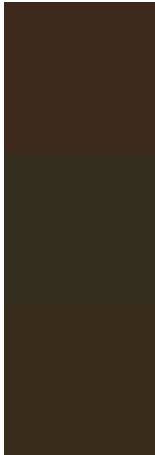


This preview shows how white text looks on a background with the CIELCh color 19, 14.733, 60.459.

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, 14.733, 60.459

Protanopia

19, 11.177, 93.836

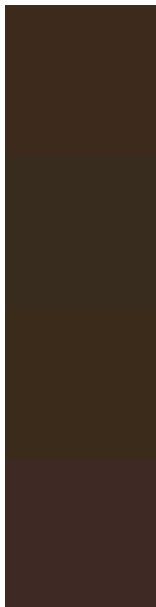
Deuteranopia

19, 13.379, 78.266



Tritanopia
19, 11.562, 12.161

Trichromacy



Original Color
19, 14.733, 60.459

Protanomaly
19, 11.893, 77.957

Deuteranomaly
19, 13.795, 71.291

Tritanomaly
19, 11.794, 35.003

Monochromacy



Original Color
19, 14.733, 60.459

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.301, 59.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 14.733, 60.459 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(62, 42, 28)` looks like.

```
.text, #text, p{  
    color:rgb(62, 42, 28)  
}
```

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(62, 42, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 42, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 14.733, 60.459 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(62, 42, 28) }
```

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

```
.border{ border-color:rgb(62, 42, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 42, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 42, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 42, 28);  
box-shadow:4px 4px 4px 4px rgb(62, 42, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 14.733, 60.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 42, 28) }
```

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

```
.background{ background-color: rgb(62, 42,  
28) }
```

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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