

Converting Colors

CIELCh(19, 33.201, 57.316)

Have a look what the booklet for
CIELCh(19, 33.201, 57.316) contains.

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Color

CIELCh(19, 33.127, 57.051)

Conversions

Conversions Part 1

Format	Color
Hex	4D2200
RGB	77, 34, 0
RGB Percent	30%, 13%, 0%
CMY	0.6970, 0.8657, 0.9987
CMYK	0.00, 0.56, 1.00, 0.70
HSL	26°, 99%, 15%
HSV	26°, 100%, 30%
XYZ	3.6624, 2.7468, 0.3468
YIQ	42.9810, 36.5420, -1.4580

Conversions

Conversions Part 2

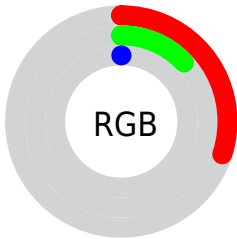
Format	Color
RYB	77, 61, 0
Decimal	5054976
CIELab	19.00, 18.02, 27.80
CIELCh	19, 33.127, 57.051
Yxy	2.7468, 0.5421, 0.4066
Android (android.graphics.Color)	4283245056 (0xFF4D2200)
YUV	42.9810, -21.1896, 29.8347
Hunter-Lab	16.5735, 10.4405, 10.3610

Details

The CIELCh color **19, 33.127, 57.051** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **17, 24.779, 272.388**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 33.074, 56.688**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **19, 33.247, 56.984**, and if you desaturate by 10%, it is **20, 30.336, 58.896**.

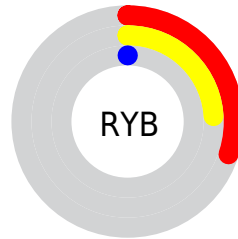
Distribution



Red (30%)

Green (13%)

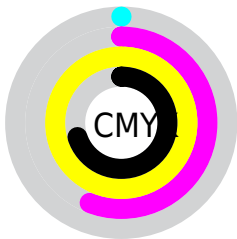
Blue (0%)



Red (30%)

Yellow (24%)

Blue (0%)

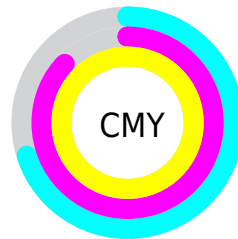


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (70%)



Cyan (70%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 33.127, 57.051 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, 33.127, 57.051 by changing the saturation by 10% instead.

19, 33.127, 57.051

19, 33.127, 57.051

100, 33.127,
57.051

9, 33.127, 57.051

0, 33.127, 57.051

39, 33.127, 57.051

49, 33.127, 57.051

59, 33.127, 57.051

69, 33.127, 57.051

79, 33.127, 57.051

89, 33.127, 57.051

99, 33.127, 57.051

■ 19, 33.127, 57.051

■ 19, 33.127, 57.051

■ 19, 33.247, 56.984

■ 20, 30.336, 58.896

■ 21, 27.236, 60.757

■ 23, 23.400, 61.802

■ 24, 19.587, 62.779

■ 25, 15.894, 63.749

■ 27, 12.360, 64.730

■ 28, 8.996, 65.723

■ 30, 5.801, 66.719

■ 31, 2.764, 67.693

Harmonies

Complementary

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



19, 33.127, 57.051



17, 24.779, 272.388

Rectangle

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



19, 33.127, 57.051



19, 33.127, 107.051



19, 33.127, 237.051



19, 33.127, 287.051

Sweetspot

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



19, 33.126, 57.054



36, 11.294, 65.573



14, 36.800, 352.357



17, 7.816, 65.345



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 33.126, 57.054



25, 42.231, 57.540



30, 38.923, 98.876



14, 1.595, 67.778



26, 43.189, 57.550



58, 81.224, 55.406

Inverse Universe

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



17, 24.779, 272.388



23, 30.480, 274.436



6, 51.213, 303.478



14, 1.557, 249.746



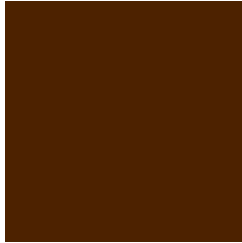
23, 31.108, 274.605



53, 59.859, 278.332

Previews

White Background



This preview shows how the CIE LCh color 19, 33.127, 57.051 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



This preview shows how the CIELCh color 19, 33.127, 57.051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

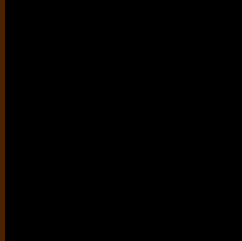
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 33.127, 57.051

Background



This preview shows how black text looks on a background with the CIELCh color 19, 33.127, 57.051.



This preview shows how white text looks on a background with the CIELCh color 19, 33.127, 57.051.

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, 33.127, 57.051

Protanopia

19, 24.622, 96.462

Deuteranopia

19, 27.762, 85.965



Tritanopia
19, 23.742, 22.749

Trichromacy



Original Color
19, 33.127, 57.051

Protanomaly
19, 25.574, 77.910

Deuteranomaly
19, 28.567, 73.954

Tritanomaly
19, 26.657, 40.646

Monochromacy



Original Color
19, 33.127, 57.051

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.293, 66.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 33.127, 57.051 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(77, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 34, 0)  
}
```

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(77, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 34, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 33.127, 57.051 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(77, 34, 0) }
```

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

```
.border{ border-color:rgb(77, 34, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 34, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 34, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(77, 34, 0); box-shadow:4px  
4px 4px 4px rgb(77, 34, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 33.127, 57.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 34, 0) }
```

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

```
.background{ background-color: rgb(77, 34,  
0) }
```

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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