

Converting Colors

CIELCh(19, 40.319, 74.930)

Have a look what the booklet for
CIELCh(19, 40.319, 74.930) contains.

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Color

CIELCh(19, 29.886, 67.718)

Conversions

Conversions Part 1

Format	Color
Hex	462700
RGB	70, 39, 0
RGB Percent	27%, 15%, 0%
CMY	0.7257, 0.8473, 1.0000
CMYK	0.00, 0.44, 1.00, 0.73
HSL	33°, 100%, 14%
HSV	33°, 100%, 27%
XYZ	3.2444, 2.7468, 0.3569
YIQ	43.8230, 30.9950, -5.5570

Conversions

Conversions Part 2

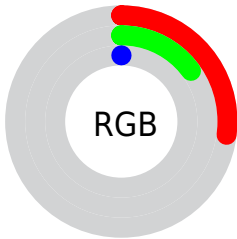
Format	Color
RYB	56, 70, 0
Decimal	4597504
CIELab	19.00, 11.33, 27.65
CIELCh	19, 29.886, 67.718
Yxy	2.7468, 0.5111, 0.4327
Android (android.graphics.Color)	4282787584 (0xFF462700)
YUV	43.8230, -21.6047, 22.9572
Hunter-Lab	16.5735, 5.9388, 10.3249

Details

The CIELCh color **19, 29.886, 67.718** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **12, 28.397, 283.978**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 29.988, 67.365**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 29.858, 67.691**, and if you desaturate by 10%, it is **20, 27.595, 69.518**.

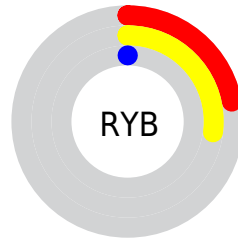
Distribution



Red (27%)

Green (15%)

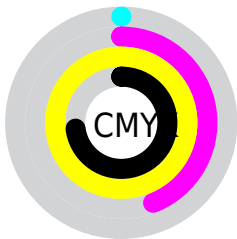
Blue (0%)



Red (22%)

Yellow (27%)

Blue (0%)

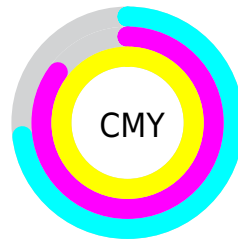


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (73%)



Cyan (73%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 29.886, 67.718 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, 29.886, 67.718 by changing the saturation by 10% instead.

■ 19, 29.886, 67.718

■ 19, 29.886, 67.718

■ 100, 29.886,
67.718

■ 9, 29.886, 67.718

■ 0, 29.886, 67.718

■ 39, 29.886, 67.718

■ 49, 29.886, 67.718

■ 59, 29.886, 67.718

■ 69, 29.886, 67.718

■ 79, 29.886, 67.718

■ 89, 29.886, 67.718

■ 99, 29.886, 67.718

■ 19, 29.886, 67.718

■ 19, 29.886, 67.718

■ 19, 29.858, 67.691

■ 20, 27.595, 69.518

■ 21, 25.185, 71.507

■ 22, 21.984, 72.936

■ 23, 18.642, 74.225

■ 24, 15.319, 75.467

■ 25, 12.064, 76.679

■ 26, 8.900, 77.868

■ 27, 5.835, 79.029

■ 29, 2.868, 80.147

Harmonies

Complementary

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



19, 29.886, 67.718



12, 28.397, 283.978

Rectangle

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



19, 29.886, 67.718



19, 29.886, 117.718



19, 29.886, 247.718



19, 29.886, 297.718

Sweetspot

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



19, 29.858, 67.691



35, 11.177, 77.721



12, 33.426, 1.327



16, 7.537, 77.501



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 29.858, 67.691



26, 38.577, 67.684



28, 38.152, 105.655



13, 1.622, 80.295



28, 41.278, 67.547



63, 76.661, 64.952

Inverse Universe

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



12, 28.397, 283.978



17, 35.608, 285.949



4, 49.043, 304.339



13, 1.606, 262.384



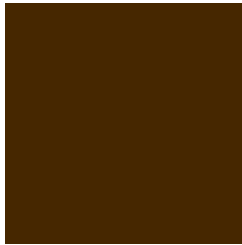
19, 38.051, 286.437



45, 74.944, 289.752

Previews

White Background



This preview shows how the CIE LCh color 19, 29.886, 67.718 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, 29.886, 67.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

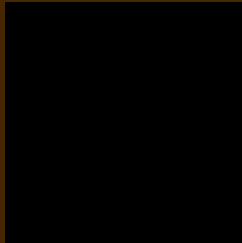
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 29.886, 67.718

Background



This preview shows how black text looks on a background with the CIELCh color 19, 29.886, 67.718.



This preview shows how white text looks on a background with the CIELCh color 19, 29.886, 67.718.

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, 29.886, 67.718

Protanopia

19, 25.024, 96.515

Deuteranopia

19, 27.547, 87.086



Tritanopia
19, 17.801, 17.610

Trichromacy



Original Color
19, 29.886, 67.718

Protanomaly
19, 25.661, 84.817

Deuteranomaly
19, 27.981, 79.837

Tritanomaly
19, 20.962, 45.425

Monochromacy



Original Color
19, 29.886, 67.718

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 11.384, 76.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 29.886, 67.718 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(70, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 39, 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(70, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 39, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 29.886, 67.718 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(70, 39, 0) }
```

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

```
.border{ border-color:rgb(70, 39, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 39, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 39, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 39, 0); box-shadow:4px  
4px 4px 4px rgb(70, 39, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 29.886, 67.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 39, 0) }
```

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

```
.background{ background-color: rgb(70, 39,  
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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