

Converting Colors

CIELCh(16, 28.063, 49.146)

Have a look what the booklet for
CIELCh(16, 28.063, 49.146) contains.

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Color

CIELCh(16, 27.919, 49.337)

Conversions

Conversions Part 1

Format	Color
Hex	451C07
RGB	69, 28, 7
RGB Percent	27%, 11%, 3%
CMY	0.7300, 0.8907, 0.9733
CMYK	0.00, 0.60, 0.90, 0.73
HSL	20°, 82%, 15%
HSV	20°, 90%, 27%
XYZ	2.8936, 2.0993, 0.4480
YIQ	37.8650, 31.1770, 2.1610

Conversions

Conversions Part 2

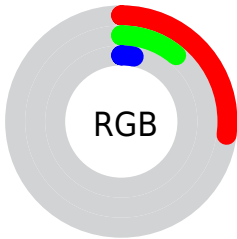
Format	Color
RYB	69, 39, 7
Decimal	4529159
CIELab	16.00, 18.19, 21.18
CIElCh	16, 27.919, 49.337
Yxy	2.0993, 0.5318, 0.3858
Android (android.graphics.Color)	4282719239 (0xFF451C07)
YUV	37.8650, -15.2164, 27.3054
Hunter-Lab	14.4890, 10.2920, 8.3090

Details

The CIELCh color **16, 27.919, 49.337** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 17.750, 253.785**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 27.818, 49.373**, and **0, 0.832, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 30.471, 47.697**, and if you desaturate by 10%, it is **17, 25.212, 51.417**.

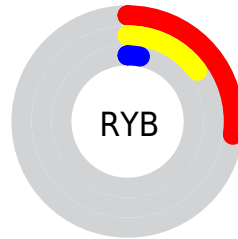
Distribution



Red (27%)

Green (11%)

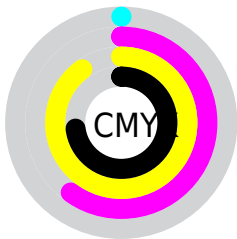
Blue (3%)



Red (27%)

Yellow (15%)

Blue (3%)

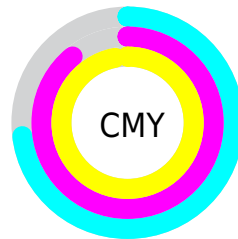


Cyan (0%)

Magenta (60%)

Yellow (90%)

Black (73%)



Cyan (73%)

Magenta (89%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 27.919, 49.337 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 16, 27.919, 49.337 by changing the saturation by 10% instead.


 16, 27.919, 49.337

 16, 27.919, 49.337

 100, 27.919,
49.337

 6, 27.919, 49.337

 36, 27.919, 49.337

 0, 27.919, 49.337

 46, 27.919, 49.337

 56, 27.919, 49.337

 66, 27.919, 49.337

 76, 27.919, 49.337

 86, 27.919, 49.337

 96, 27.919, 49.337

■ 16, 27.919, 49.337

■ 16, 27.919, 49.337

■ 15, 30.471, 47.697

■ 17, 25.212, 51.417

■ 19, 21.779, 52.386

■ 20, 18.122, 52.788

■ 21, 14.633, 53.252

■ 23, 11.337, 53.783

■ 24, 8.238, 54.375

■ 26, 5.328, 55.012

■ 28, 2.597, 55.659

■ 29, 0.028, 48.431

Harmonies

Complementary

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



16, 27.919, 49.337



18, 17.750, 253.785

Rectangle

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



16, 27.919, 49.337



16, 27.919, 99.337



16, 27.919, 229.337



16, 27.919, 279.337

Sweetspot

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



16, 27.918, 49.340



33, 9.099, 54.502



13, 33.774, 343.569



15, 6.212, 54.413



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



16, 27.918, 49.340



20, 39.557, 49.511



25, 31.033, 93.093



13, 1.466, 55.749



23, 43.794, 49.970



54, 85.140, 48.992

Inverse Universe

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



18, 17.750, 253.785



23, 23.360, 258.995



8, 38.202, 298.444



13, 1.414, 237.262



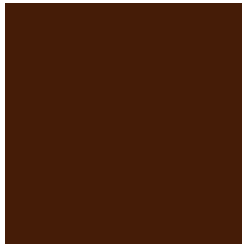
26, 25.380, 259.789



59, 48.385, 263.877

Previews

White Background



This preview shows how the CIELCh color 16, 27.919, 49.337 looks on a white background.

Color Contrast Check

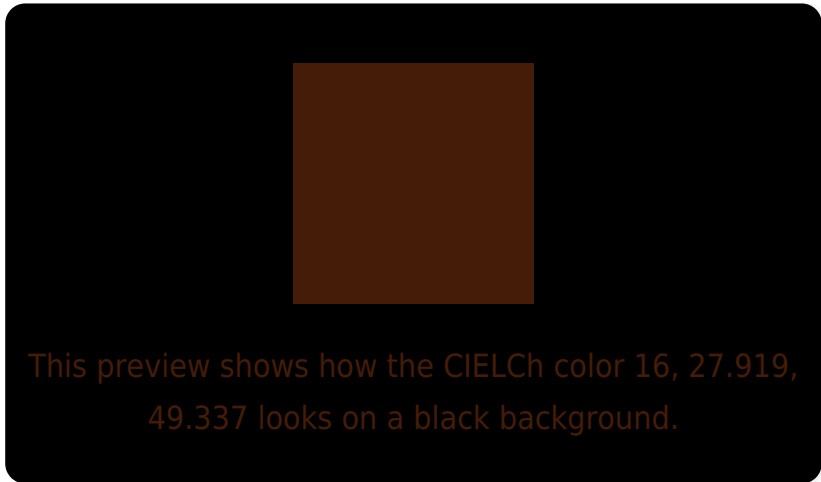
Large Text (above 18pt) WCAG AA ✓ Pass

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

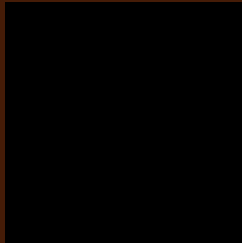
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 27.919, 49.337

Background



This preview shows how black text looks on a background with the CIELCh color 16, 27.919, 49.337.

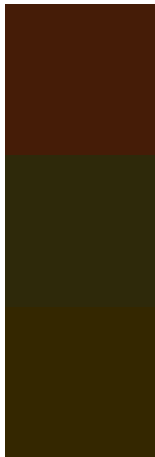


This preview shows how white text looks on a background with the CIELCh color 16, 27.919, 49.337.

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

16, 27.919, 49.337

Protanopia

16, 19.844, 96.982

Deuteranopia

16, 23.935, 86.348



Tritanopia
16, 22.722, 22.995

Trichromacy



Original Color
16, 27.919, 49.337

Protanomaly
16, 20.265, 74.737

Deuteranomaly
16, 24.060, 71.266

Tritanomaly
16, 24.414, 36.630

Monochromacy



Original Color
16, 27.919, 49.337

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 9.636, 51.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 27.919, 49.337 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(69, 28, 7)` looks like.

```
.text, #text, p{  
    color:rgb(69, 28, 7)  
}
```

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(69, 28, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 28, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 27.919, 49.337 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(69, 28, 7) }
```

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

```
.border{ border-color:rgb(69, 28, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 28, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 28, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 28, 7); box-shadow:4px  
4px 4px 4px rgb(69, 28, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 27.919, 49.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 28, 7) }
```

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

```
.background{ background-color: rgb(69, 28,  
7) }
```

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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