

Converting Colors

CIELCh(16, 28.071, 28.328)

Have a look what the booklet for
CIELCh(16, 28.071, 28.328) contains.

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Color

CIELCh(16, 28.071, 28.328)

Conversions

Conversions Part 1

Format	Color
Hex	4A1616
RGB	74, 22, 22
RGB Percent	29%, 9%, 9%
CMY	0.7092, 0.9132, 0.9133
CMYK	0.00, 0.70, 0.70, 0.71
HSL	0°, 54%, 19%
HSV	0°, 70%, 29%
XYZ	3.2713, 2.0993, 0.9978
YIQ	37.5480, 30.9920, 11.0240

Conversions

Conversions Part 2

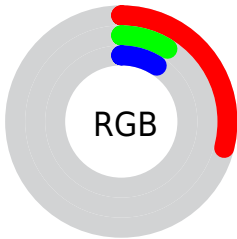
Format	Color
R_{YB}	74, 22, 22
Decimal	4855318
CIE Lab	16.00, 24.71, 13.32
CIE LCh	16, 28.071, 28.328
Yxy	2.0993, 0.5137, 0.3296
Android (android.graphics.Color)	4283045398 (0xFF4A1616)
YUV	37.5480, -7.6652, 31.9684
Hunter-Lab	14.4890, 14.9451, 6.0594

Details

The CIELCh color **16, 28.071, 28.328** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 17.473, 196.865**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 28.362, 28.872**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 32.097, 30.073**, and if you desaturate by 10%, it is **18, 23.610, 26.028**.

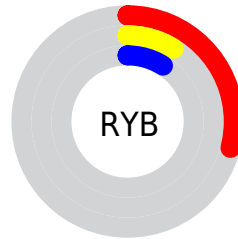
Distribution



Red (29%)

Green (9%)

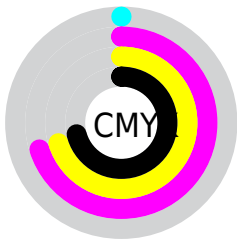
Blue (9%)



Red (29%)

Yellow (9%)

Blue (9%)

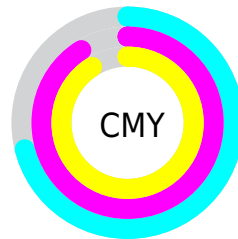


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (71%)



Cyan (71%)

Magenta (91%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 28.071, 28.328 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, 28.071, 28.328 by changing the saturation by 10% instead.

 16, 28.071, 28.328

 16, 28.071, 28.328

 100, 28.071,
28.328

 6, 28.071, 28.328

 36, 28.071, 28.328

 0, 28.071, 28.328

 46, 28.071, 28.328

 56, 28.071, 28.328

 66, 28.071, 28.328

 76, 28.071, 28.328

 86, 28.071, 28.328

 96, 28.071, 28.328

■ 16, 28.071, 28.328

■ 16, 28.071, 28.328

■ 15, 32.097, 30.073

■ 18, 23.610, 26.028

■ 13, 35.176, 30.606

■ 20, 19.195, 24.187

■ 12, 38.126, 30.629

■ 22, 14.919, 22.736

■ 24, 10.844, 21.594

■ 27, 7.003, 20.687

■ 29, 3.409, 19.939

■ 31, 0.057, 14.686

■ 34, 3.068, 199.091

■ 37, 5.983, 198.681

Harmonies

Complementary

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



16, 28.071, 28.328



28, 17.473, 196.865

Rectangle

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



16, 28.071, 28.328



16, 28.071, 78.328



16, 28.071, 208.328



16, 28.071, 258.328

Sweetspot

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



16, 28.070, 28.331



35, 9.152, 20.822



18, 38.108, 327.548



16, 6.137, 20.928



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



16, 28.070, 28.331



20, 42.412, 33.084



22, 22.879, 67.457



14, 1.909, 19.834



19, 50.496, 35.972



48, 96.562, 40.004

Inverse Universe

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



28, 17.473, 196.865



37, 23.323, 196.596



19, 19.079, 268.976



15, 1.818, 199.113



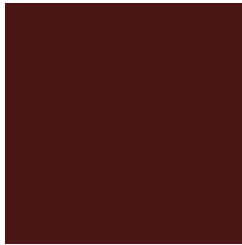
39, 25.558, 196.448



83, 46.249, 196.453

Previews

White Background



This preview shows how the CIELCh color 16, 28.071, 28.328 looks on a white background.

Color Contrast Check

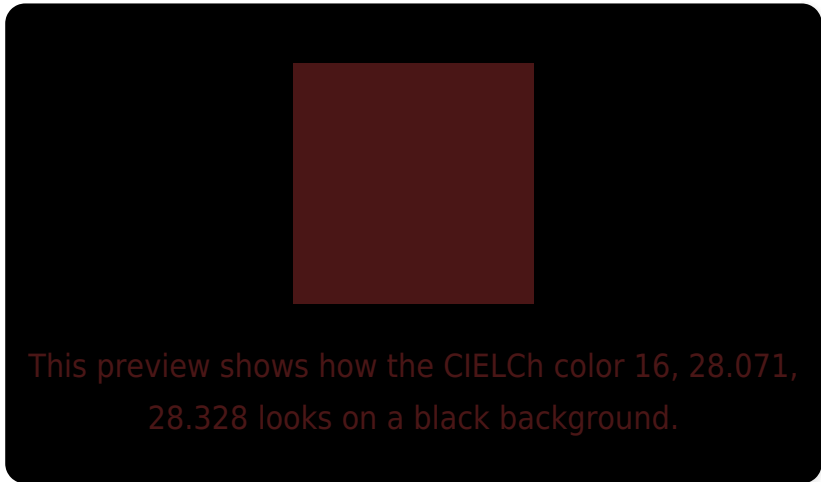
Large Text (above 18pt) WCAG AA ✓ Pass

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

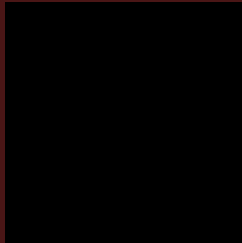
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 28.071, 28.328

Background



This preview shows how black text looks on a background with the CIELCh color 16, 28.071, 28.328.

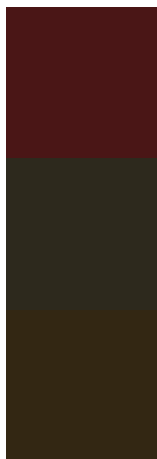


This preview shows how white text looks on a background with the CIELCh color 16, 28.071, 28.328.

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, 28.071, 28.328

Protanopia

17, 8.573, 93.713

Deuteranopia

17, 15.453, 80.569



Tritanopia
16, 27.823, 27.019

Trichromacy



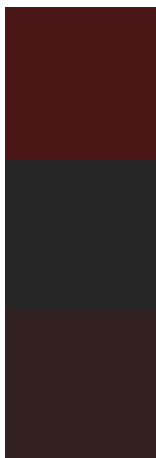
Original Color
16, 28.071, 28.328

Protanomaly
16, 13.533, 45.889

Deuteranomaly
16, 17.763, 52.013

Tritanomaly
16, 27.823, 27.019

Monochromacy



Original Color
16, 28.071, 28.328

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 9.941, 22.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 28.071, 28.328 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(74, 22, 22)` looks like.

```
.text, #text, p{  
    color:rgb(74, 22, 22)  
}
```

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(74, 22, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 22, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 28.071, 28.328 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(74, 22, 22) }
```

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

```
.border{ border-color:rgb(74, 22, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 22, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 22, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 22, 22);  
box-shadow:4px 4px 4px 4px rgb(74, 22, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 28.071, 28.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 22, 22) }
```

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

```
.background{ background-color: rgb(74, 22,  
22) }
```

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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