

Converting Colors

CIELCh(16, 27.163, 27.797)

Have a look what the booklet for
CIELCh(16, 27.163, 27.797) contains.

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Color

CIELCh(16, 26.968, 27.845)

Conversions

Conversions Part 1

Format	Color
Hex	491717
RGB	73, 23, 23
RGB Percent	29%, 9%, 9%
CMY	0.7133, 0.9094, 0.9095
CMYK	0.00, 0.68, 0.68, 0.71
HSL	0°, 52%, 19%
HSV	0°, 68%, 29%
XYZ	3.2194, 2.0993, 1.0504
YIQ	37.9500, 29.8000, 10.6000

Conversions

Conversions Part 2

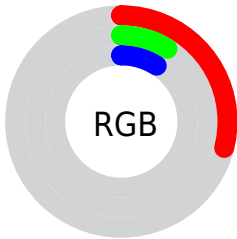
Format	Color
R_{YB}	73, 23, 23
Decimal	4790039
CIE Lab	16.00, 23.85, 12.60
CIE LCh	16, 26.968, 27.845
Yxy	2.0993, 0.5055, 0.3296
Android (android.graphics.Color)	4282980119 (0xFF491717)
YUV	37.9500, -7.3703, 30.7389
Hunter-Lab	14.4890, 14.3063, 5.8438

Details

The CIELCh color **16, 26.968, 27.845** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 17.031, 196.890**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 26.684, 27.622**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 31.064, 29.737**, and if you desaturate by 10%, it is **18, 22.559, 25.641**.

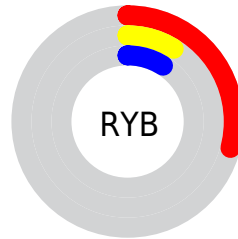
Distribution



Red (29%)

Green (9%)

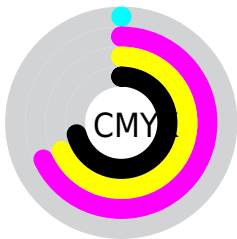
Blue (9%)



Red (29%)

Yellow (9%)

Blue (9%)

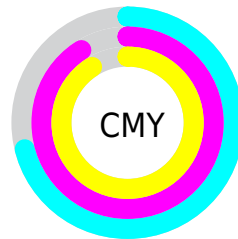


Cyan (0%)

Magenta (68%)

Yellow (68%)

Black (71%)



Cyan (71%)

Magenta (91%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 26.968, 27.845 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, 26.968, 27.845 by changing the saturation by 10% instead.

 16, 26.968, 27.845

 16, 26.968, 27.845

 100, 26.968,
27.845

 6, 26.968, 27.845

 36, 26.968, 27.845

 0, 26.968, 27.845

 46, 26.968, 27.845

 56, 26.968, 27.845

 66, 26.968, 27.845

 76, 26.968, 27.845

 86, 26.968, 27.845

 96, 26.968, 27.845

■ 16, 26.968, 27.845

■ 16, 26.968, 27.845

■ 15, 31.064, 29.737

■ 18, 22.559, 25.641

■ 13, 34.217, 30.329

■ 20, 18.215, 23.882

■ 12, 37.169, 30.362

■ 22, 14.022, 22.497

■ 12, 37.651, 30.327

■ 24, 10.035, 21.404

■ 27, 6.283, 20.534

■ 29, 2.774, 19.802

■ 31, 0.499, 199.897

■ 34, 3.550, 198.999

■ 36, 6.398, 198.611

Harmonies

Complementary

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



16, 26.968, 27.845



28, 17.031, 196.890

Rectangle

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



16, 26.968, 27.845



16, 26.968, 77.845



16, 26.968, 207.845



16, 26.968, 257.845

Sweetspot

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



16, 26.967, 27.848



34, 8.951, 20.806



18, 36.964, 327.488



16, 6.138, 20.918



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, 26.967, 27.848



19, 40.549, 32.439



22, 21.985, 67.687



13, 1.799, 19.812



19, 49.397, 35.630



47, 95.754, 40.003

Inverse Universe

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



28, 17.031, 196.890



36, 22.654, 196.608



19, 18.412, 268.393



14, 1.715, 199.112



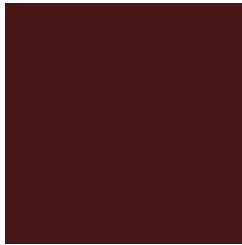
38, 25.112, 196.429



82, 45.870, 196.432

Previews

White Background



This preview shows how the CIELCh color 16, 26.968, 27.845 looks on a white background.

Color Contrast Check

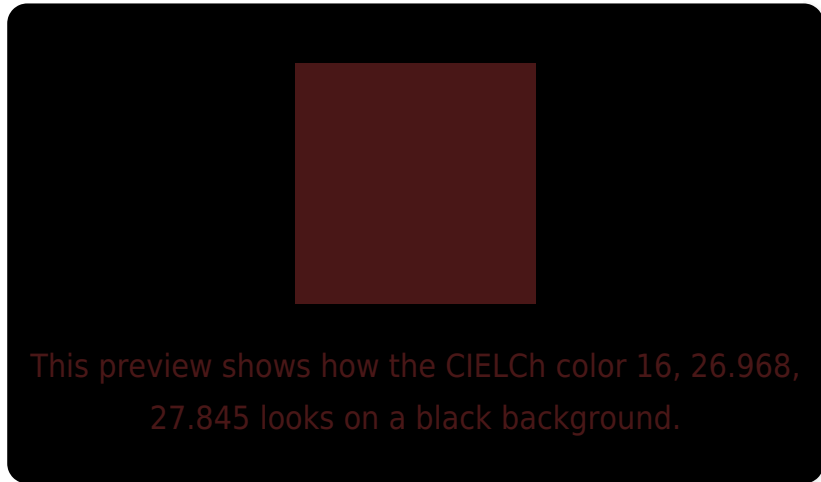
Large Text (above 18pt) WCAG AA ✓ Pass

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

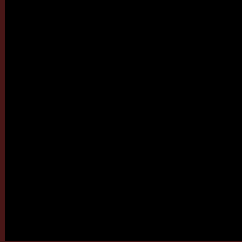
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 26.968, 27.845

Background



This preview shows how black text looks on a background with the CIELCh color 16, 26.968, 27.845.

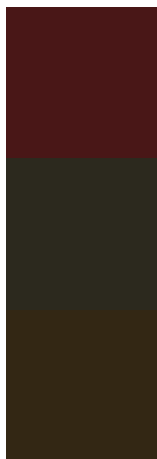


This preview shows how white text looks on a background with the CIELCh color 16, 26.968, 27.845.

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, 26.968, 27.845

Protanopia

17, 7.779, 96.504

Deuteranopia

17, 14.854, 79.740



Tritanopia
16, 26.730, 26.472

Trichromacy



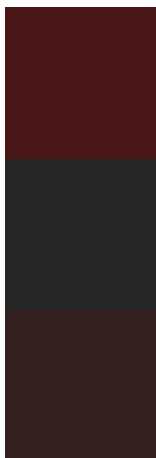
Original Color
16, 26.968, 27.845

Protanomaly
16, 12.639, 44.274

Deuteranomaly
16, 17.318, 50.423

Tritanomaly
16, 26.730, 26.472

Monochromacy



Original Color
16, 26.968, 27.845

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 9.361, 21.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 26.968, 27.845 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(73, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(73, 23, 23)  
}
```

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(73, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 23, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 26.968, 27.845 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(73, 23, 23) }
```

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

```
.border{ border-color:rgb(73, 23, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 23, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(73, 23, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 26.968, 27.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 23, 23) }
```

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

```
.background{ background-color: rgb(73, 23,  
23) }
```

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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