

Converting Colors

CIELCh(16, 23.260, 18.489)

Have a look what the booklet for
CIELCh(16, 23.260, 18.489) contains.

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Color

CIELCh(16, 23.369, 18.714)

Conversions

Conversions Part 1

Format	Color
Hex	46191E
RGB	70, 25, 30
RGB Percent	27%, 10%, 12%
CMY	0.7251, 0.9016, 0.8820
CMYK	0.00, 0.64, 0.57, 0.73
HSL	353°, 47%, 19%
HSV	353°, 64%, 27%
XYZ	3.1183, 2.0993, 1.4748
YIQ	39.0250, 25.2150, 11.0950

Conversions

Conversions Part 2

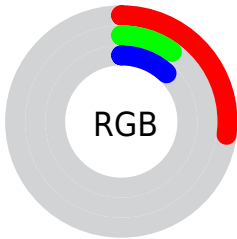
Format	Color
RYB	70, 25, 30
Decimal	4593950
CIELab	16.00, 22.13, 7.50
CIElCh	16, 23.369, 18.714
Yxy	2.0993, 0.4659, 0.3137
Android (android.graphics.Color)	4282784030 (0xFF46191E)
YUV	39.0250, -4.4493, 27.1651
Hunter-Lab	14.4890, 13.0605, 4.1073

Details

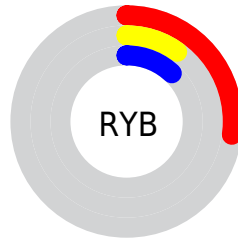
The CIELCh color **16, 23.369, 18.714** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 16.835, 185.518**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 23.518, 18.976**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 27.163, 21.359**, and if you desaturate by 10%, it is **18, 19.475, 16.581**.

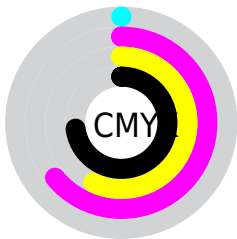
Distribution



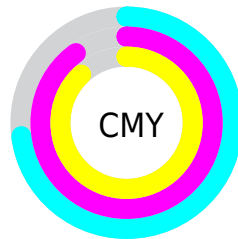
- Red (27%)
- Green (10%)
- Blue (12%)



- Red (27%)
- Yellow (10%)
- Blue (12%)



- Cyan (0%)
- Magenta (64%)
- Yellow (57%)
- Black (73%)



- Cyan (73%)
- Magenta (90%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 23.369, 18.714 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, 23.369, 18.714 by changing the saturation by 10% instead.

 16, 23.369, 18.714

 16, 23.369, 18.714

 100, 23.369,
18.714

 6, 23.369, 18.714

 36, 23.369, 18.714

 0, 23.369, 18.714

 46, 23.369, 18.714

 56, 23.369, 18.714

 66, 23.369, 18.714

 76, 23.369, 18.714

 86, 23.369, 18.714

 96, 23.369, 18.714

■ 16, 23.369, 18.714

■ 16, 23.369, 18.714

■ 14, 27.163, 21.359

■ 18, 19.475, 16.581

■ 13, 30.608, 23.978

■ 20, 15.587, 14.857

■ 12, 33.528, 25.078

■ 22, 11.785, 13.454

■ 11, 35.200, 24.887

■ 24, 8.125, 12.298

■ 26, 4.637, 11.322

■ 29, 1.334, 10.383

■ 31, 1.784, 190.029

■ 34, 4.723, 189.348

■ 36, 7.498, 188.811

Harmonies

Complementary

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



16, 23.369, 18.714



27, 16.835, 185.518

Rectangle

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



16, 23.369, 18.714



16, 23.369, 68.714



16, 23.369, 198.714



16, 23.369, 248.714

Sweetspot

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



16, 23.368, 18.717



33, 7.881, 11.848



17, 33.444, 323.725



15, 5.365, 11.983



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, 23.368, 18.717



20, 35.242, 23.205



20, 19.716, 56.811



13, 1.818, 10.820



19, 47.229, 31.096



47, 90.858, 35.893

Inverse Universe

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



16, 23.368, 18.717



20, 35.242, 23.205



21, 14.579, 252.218



13, 1.818, 10.820



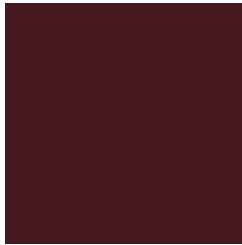
19, 47.229, 31.096



47, 90.858, 35.893

Previews

White Background



This preview shows how the CIELCh color 16, 23.369, 18.714 looks on a white background.

Color Contrast Check

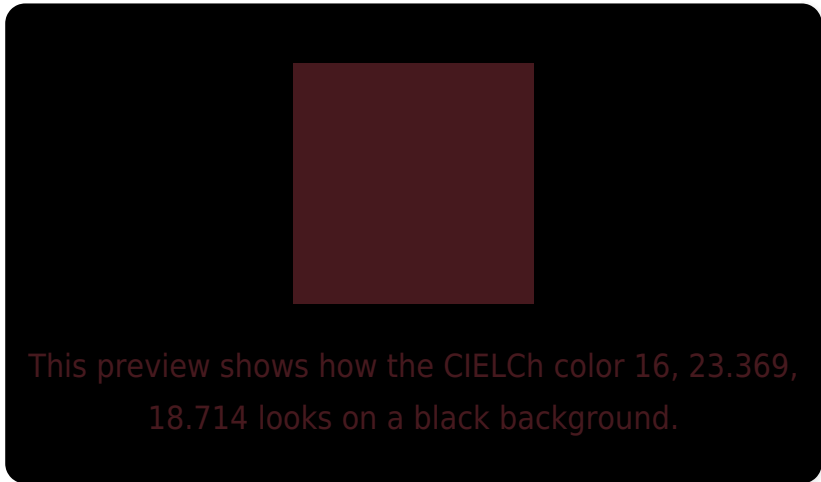
Large Text (above 18pt) WCAG AA ✓ Pass

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

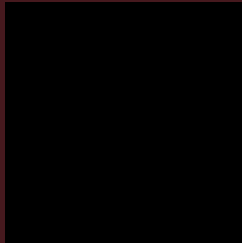
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 23.369, 18.714

Background



This preview shows how black text looks on a background with the CIELCh color 16, 23.369, 18.714.



This preview shows how white text looks on a background with the CIELCh color 16, 23.369, 18.714.

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, 23.369, 18.714

Protanopia

17, 2.947, 89.703

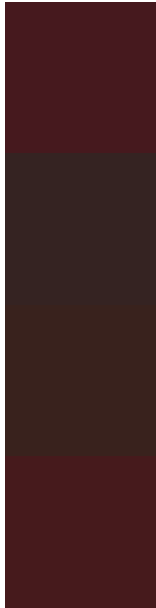
Deuteranopia

16, 9.420, 73.417



Tritanopia
16, 23.416, 24.851

Trichromacy



Original Color

16, 23.369, 18.714

Protanomaly

16, 9.387, 25.927

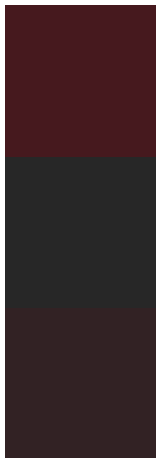
Deuteranomaly

16, 13.016, 37.550

Tritanomaly

16, 23.230, 23.224

Monochromacy



Original Color

16, 23.369, 18.714

Achromatopsia

16, 0.003, 296.813

Achromatomaly

15, 8.226, 11.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 23.369, 18.714 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, 25, 30)` looks like.

```
.text, #text, p{  
    color:rgb(70, 25, 30)  
}
```

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, 25, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 25, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 23.369, 18.714 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, 25, 30) }
```

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

```
.border{ border-color:rgb(70, 25, 30) }
```

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

Here you see how a box with a 4 pixel rgb(70, 25, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 25, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 25, 30);  
box-shadow:4px 4px 4px 4px rgb(70, 25, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 23.369, 18.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 25, 30) }
```

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

```
.background{ background-color: rgb(70, 25,  
30) }
```

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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