

Converting Colors

CIELCh(16, 23.424, 19.870)

Have a look what the booklet for
CIELCh(16, 23.424, 19.870) contains.

CIELCh(16, 23.498, 20.372)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 23.498, 20.372)

Conversions

Conversions Part 1

Format	Color
Hex	46191D
RGB	70, 25, 29
RGB Percent	27%, 10%, 11%
CMY	0.7248, 0.9014, 0.8857
CMYK	0.00, 0.64, 0.58, 0.72
HSL	355°, 47%, 19%
HSV	355°, 64%, 28%
XYZ	3.1121, 2.0993, 1.4124
YIQ	38.9110, 25.5360, 10.7840

Conversions

Conversions Part 2

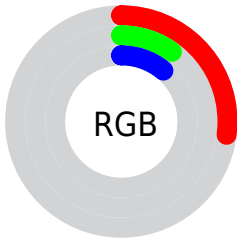
Format	Color
RYB	70, 25, 29
Decimal	4593949
CIELab	16.00, 22.03, 8.18
CIELCh	16, 23.498, 20.372
Yxy	2.0993, 0.4698, 0.3169
Android (android.graphics.Color)	4282784029 (0xFF46191D)
YUV	38.9110, -4.8861, 27.2651
Hunter-Lab	14.4890, 12.9847, 4.3627

Details

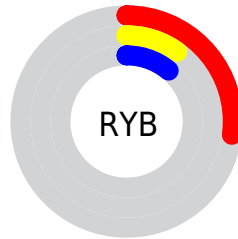
The CIELCh color **16, 23.498, 20.372** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 16.595, 187.714**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 23.598, 20.447**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 27.381, 22.998**, and if you desaturate by 10%, it is **18, 19.537, 18.256**.

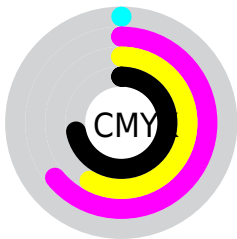
Distribution



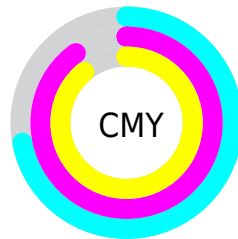
- Red (27%)
- Green (10%)
- Blue (11%)



- Red (27%)
- Yellow (10%)
- Blue (11%)



- Cyan (0%)
- Magenta (64%)
- Yellow (58%)
- Black (72%)



- Cyan (72%)
- Magenta (90%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 23.498, 20.372 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, 23.498, 20.372 by changing the saturation by 10% instead.

 16, 23.498, 20.372

 16, 23.498, 20.372

 100, 23.498,
20.372

 6, 23.498, 20.372

 36, 23.498, 20.372

 0, 23.498, 20.372

 46, 23.498, 20.372

 56, 23.498, 20.372

 66, 23.498, 20.372

 76, 23.498, 20.372

 86, 23.498, 20.372

 96, 23.498, 20.372

■ 16, 23.498, 20.372

■ 16, 23.498, 20.372

■ 14, 27.381, 22.998

■ 18, 19.537, 18.256

■ 13, 30.849, 25.286

■ 20, 15.604, 16.550

■ 12, 33.738, 26.054

■ 22, 11.773, 15.170

■ 11, 35.428, 25.840

■ 24, 8.099, 14.039

■ 26, 4.609, 13.091

■ 29, 1.314, 12.178

■ 31, 1.789, 191.861

■ 34, 4.709, 191.211

■ 36, 7.458, 190.705

Harmonies

Complementary

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



16, 23.498, 20.372



27, 16.595, 187.714

Rectangle

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



16, 23.498, 20.372



16, 23.498, 70.372



16, 23.498, 200.372



16, 23.498, 250.372

Sweetspot

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



16, 23.497, 20.375



33, 7.861, 13.606



17, 33.517, 324.241



15, 5.353, 13.737



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, 23.497, 20.375



20, 35.575, 24.838



21, 19.672, 58.438



13, 1.810, 12.609



19, 47.647, 32.050



47, 92.037, 36.969

Inverse Universe

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



16, 23.497, 20.375



20, 35.575, 24.838



21, 14.825, 254.538



13, 1.810, 12.609



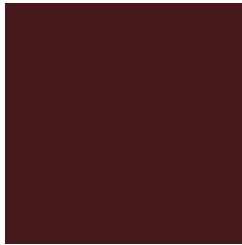
19, 47.647, 32.050



47, 92.037, 36.969

Previews

White Background



This preview shows how the CIELCh color 16, 23.498, 20.372 looks on a white background.

Color Contrast Check

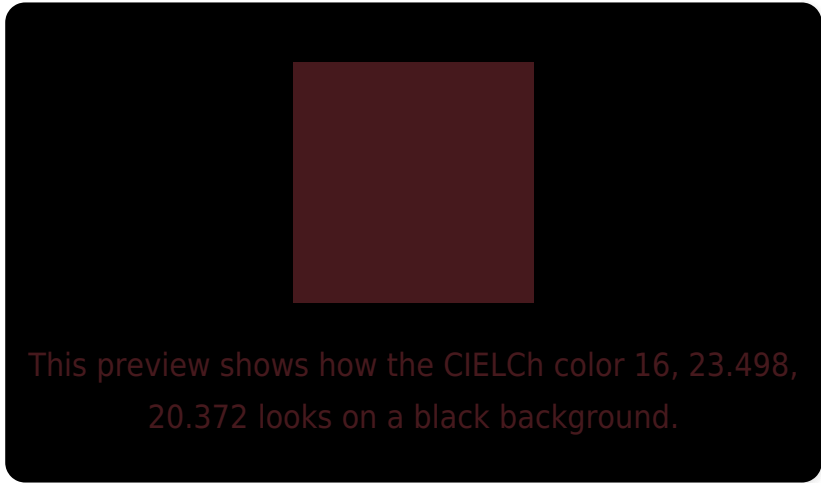
Large Text (above 18pt) WCAG AA ✓ Pass

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

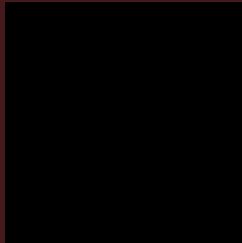
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 23.498, 20.372

Background



This preview shows how black text looks on a background with the CIELCh color 16, 23.498, 20.372.



This preview shows how white text looks on a background with the CIELCh color 16, 23.498, 20.372.

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, 23.498, 20.372

Protanopia

17, 3.611, 93.138

Deuteranopia

16, 10.015, 75.340



Tritanopia
16, 23.416, 24.851

Trichromacy



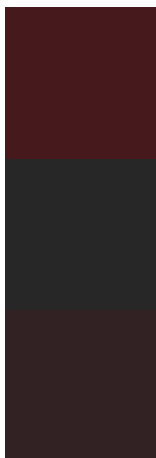
Original Color
16, 23.498, 20.372

Protanomaly
16, 9.387, 25.927

Deuteranomaly
16, 13.330, 40.193

Tritanomaly
16, 23.230, 23.224

Monochromacy



Original Color
16, 23.498, 20.372

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 8.210, 16.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 23.498, 20.372 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(70, 25, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 25, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 23.498, 20.372 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, 29) }
```

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

```
.border{ border-color:rgb(70, 25, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 25, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 25, 29);  
box-shadow:4px 4px 4px 4px rgb(70, 25, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 23.498, 20.372 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, 29) }
```

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

```
.background{ background-color: rgb(70, 25,  
29) }
```

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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