

Converting Colors

CIELCh(10, 16.879, 15.197)

Have a look what the booklet for
CIELCh(10, 16.879, 15.197) contains.

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Color

CIELCh(10, 16.897, 16.098)

Conversions

Conversions Part 1

Format	Color
Hex	311216
RGB	49, 18, 22
RGB Percent	19%, 7%, 9%
CMY	0.8090, 0.9305, 0.9148
CMYK	0.00, 0.64, 0.55, 0.81
HSL	352°, 47%, 13%
HSV	352°, 64%, 19%
XYZ	1.6060, 1.1260, 0.8778
YIQ	27.7250, 17.1920, 7.8160

Conversions

Conversions Part 2

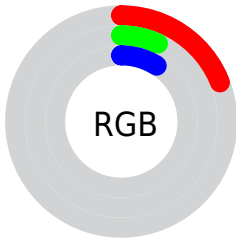
Format	Color
R_YB	49, 18, 22
Decimal	3215894
CIE Lab	10.00, 16.23, 4.69
CIE LCh	10, 16.897, 16.098
Yxy	1.1260, 0.4449, 0.3119
Android (android.graphics.Color)	4281405974 (0xFF311216)
YUV	27.7250, -2.8224, 18.6582
Hunter-Lab	10.6114, 8.4452, 2.5231

Details

The CIELCh color **10, 16.897, 16.098** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 12.708, 184.217**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 16.944, 16.188**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 19.537, 16.862**, and if you desaturate by 10%, it is **11, 14.062, 14.419**.

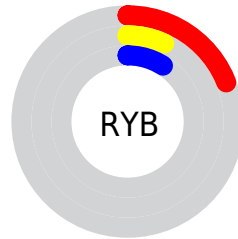
Distribution



 Red (19%)

 Green (7%)

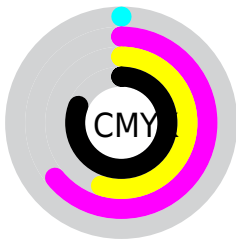
 Blue (9%)



 Red (19%)

 Yellow (7%)

 Blue (9%)

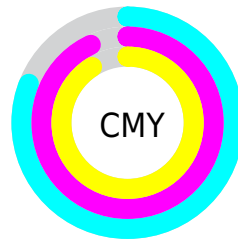


 Cyan (0%)


 Magenta (64%)

 Yellow (55%)

 Black (81%)



 Cyan (81%)

 Magenta (93%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 16.897, 16.098 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 10, 16.897, 16.098 by changing the saturation by 10% instead.

 10, 16.897, 16.098

 10, 16.897, 16.098

 100, 16.897,
16.098

 0, 16.897, 16.098

 30, 16.897, 16.098

 40, 16.897, 16.098

 50, 16.897, 16.098

 60, 16.897, 16.098

 70, 16.897, 16.098

 80, 16.897, 16.098

 90, 16.897, 16.098

■ 10, 16.897, 16.098

■ 10, 16.897, 16.098

■ 9, 19.537, 16.862

■ 11, 14.062, 14.419

■ 8, 21.886, 16.929

■ 13, 11.236, 12.930

■ 7, 24.093, 16.144

■ 14, 8.476, 11.692

■ 6, 25.459, 15.572

■ 16, 5.814, 10.648

■ 18, 3.267, 9.745

■ 20, 0.843, 8.817

■ 21, 1.459, 188.534

■ 23, 3.641, 187.879

■ 25, 5.711, 187.351

Harmonies

Complementary

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



10, 16.897, 16.098



18, 12.708, 184.217

Rectangle

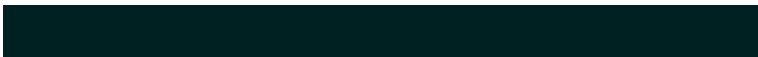
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10, 16.897, 16.098



10, 16.897, 66.098



10, 16.897, 196.098



10, 16.897, 246.098

Sweetspot

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



10, 16.896, 16.101



23, 5.820, 10.316



10, 24.586, 323.073



10, 4.056, 10.385



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



10, 16.896, 16.101



13, 25.543, 20.108



13, 14.046, 54.995



8, 1.361, 9.255



16, 42.851, 28.693



45, 86.649, 34.771

Inverse Universe

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



10, 16.896, 16.101



13, 25.543, 20.108



14, 10.622, 248.574



8, 1.361, 9.255



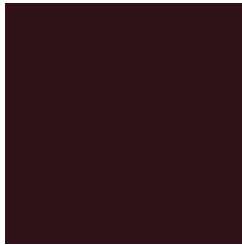
16, 42.851, 28.693



45, 86.649, 34.771

Previews

White Background



This preview shows how the CIELCh color 10, 16.897, 16.098 looks on a white background.

Color Contrast Check

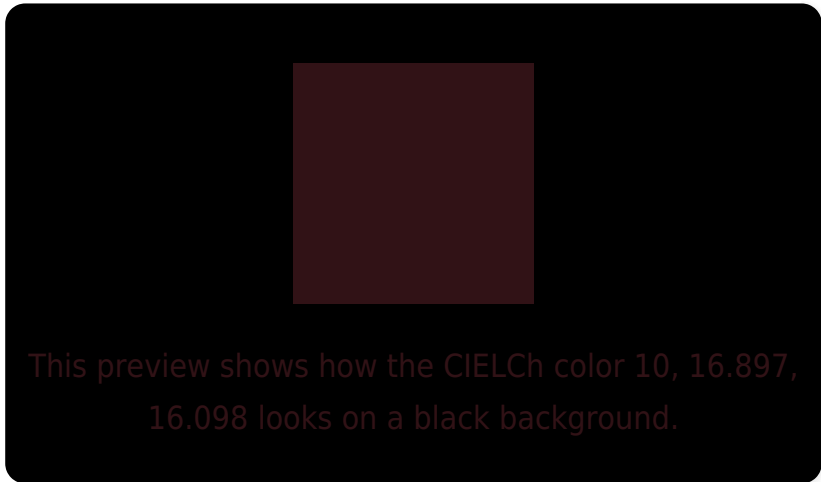
Large Text (above 18pt) WCAG AA ✓ Pass

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 10, 16.897, 16.098

Background



This preview shows how black text looks on a background with the CIELCh color 10, 16.897, 16.098.

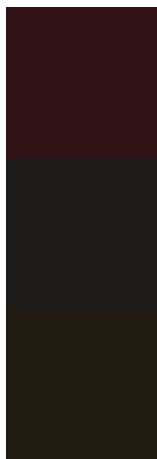


This preview shows how white text looks on a background with the CIELCh color 10, 16.897, 16.098.

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

10, 16.897, 16.098

Protanopia

10, 1.261, 55.016

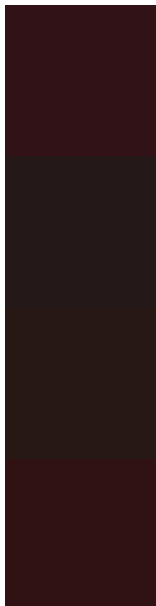
Deuteranopia

10, 6.393, 71.265



Tritanopia
10, 17.186, 22.569

Trichromacy



Original Color

10, 16.897, 16.098

Protanomaly

10, 6.991, 15.639

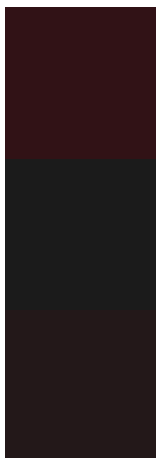
Deuteranomaly

10, 8.695, 35.886

Tritanomaly

10, 17.070, 20.524

Monochromacy



Original Color

10, 16.897, 16.098

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 5.904, 14.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 16.897, 16.098 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(49, 18, 22)` looks like.

```
.text, #text, p{  
    color:rgb(49, 18, 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(49, 18, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 18, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 16.897, 16.098 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(49, 18, 22) }
```

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

```
.border{ border-color:rgb(49, 18, 22) }
```

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

Here you see how a box with a 4 pixel rgb(49, 18, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 18, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 18, 22);  
box-shadow:4px 4px 4px 4px rgb(49, 18, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 16.897, 16.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 18, 22) }
```

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

```
.background{ background-color: rgb(49, 18,  
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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