

Converting Colors

CIELCh(10, 31.836, 17.393)

Have a look what the booklet for
CIELCh(10, 31.836, 17.393) contains.

CIELCh(10, 31.879, 16.982)	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(10, 31.879, 16.982)

Conversions

Conversions Part 1

Format	Color
Hex	40000F
RGB	64, 0, 15
RGB Percent	25%, 0%, 6%
CMY	0.7489, 0.9999, 0.9410
CMYK	0.00, 1.00, 0.77, 0.75
HSL	346°, 100%, 13%
HSV	346°, 100%, 25%
XYZ	2.2029, 1.1260, 0.5544
YIQ	20.8460, 33.3290, 18.2330

Conversions

Conversions Part 2

Format	Color
RYB	64, 0, 15
Decimal	4194319
CIELab	10.00, 30.49, 9.31
CIELCh	10, 31.879, 16.982
Yxy	1.1260, 0.5673, 0.2900
Android (android.graphics.Color)	4282384399 (0xFF40000F)
YUV	20.8460, -2.8821, 37.8461
Hunter-Lab	10.6114, 18.4868, 4.3301

Details

The CIELCh color **10, 31.879, 16.982** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 23.303, 170.150**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 31.673, 16.397**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 31.889, 16.985**, and if you desaturate by 10%, it is **11, 29.004, 15.992**.

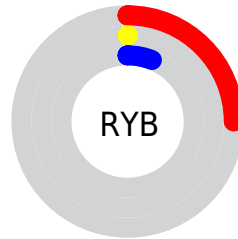
Distribution



Red (25%)

Green (0%)

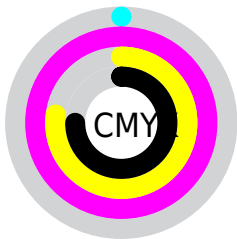
Blue (6%)



Red (25%)

Yellow (0%)

Blue (6%)



Cyan (0%)

Magenta (100%)

Yellow (77%)

Black (75%)



Cyan (75%)

Magenta (100%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 31.879, 16.982 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, 31.879, 16.982 by changing the saturation by 10% instead.

■ 10, 31.879, 16.982

■ 10, 31.879, 16.982

■ 100, 31.879,
16.982

■ 0, 31.879, 16.982

■ 30, 31.879, 16.982

■ 40, 31.879, 16.982

■ 50, 31.879, 16.982

■ 60, 31.879, 16.982

■ 70, 31.879, 16.982

■ 80, 31.879, 16.982

■ 90, 31.879, 16.982

■ 10, 31.879, 16.982

■ 10, 31.879, 16.982

■ 10, 31.889, 16.985

■ 11, 29.004, 15.992

■ 12, 26.265, 13.168

■ 14, 23.256, 10.394

■ 15, 19.988, 8.140

■ 17, 16.572, 6.296

■ 19, 13.109, 4.770

■ 21, 9.676, 3.487

■ 23, 6.326, 2.386

■ 25, 3.092, 1.409

Harmonies

Complementary

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



10, 31.879, 16.982



23, 23.303, 170.150

Rectangle

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



10, 31.879, 16.982



10, 31.879, 66.982



10, 31.879, 196.982



10, 31.879, 246.982

Sweetspot

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



10, 31.878, 16.984



28, 12.192, 3.653



9, 43.884, 319.986



12, 8.417, 3.875



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



10, 31.878, 16.984



15, 39.222, 21.503



12, 29.374, 40.327



12, 1.772, 1.276



18, 43.589, 22.849



47, 83.040, 27.529

Inverse Universe

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



10, 31.878, 16.984



15, 39.222, 21.503



18, 16.535, 240.033



12, 1.772, 1.276



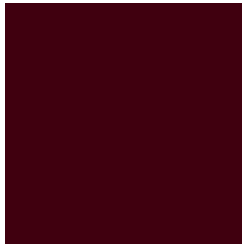
18, 43.589, 22.849



47, 83.040, 27.529

Previews

White Background



This preview shows how the CIELCh color 10, 31.879, 16.982 looks on a white background.

Color Contrast Check

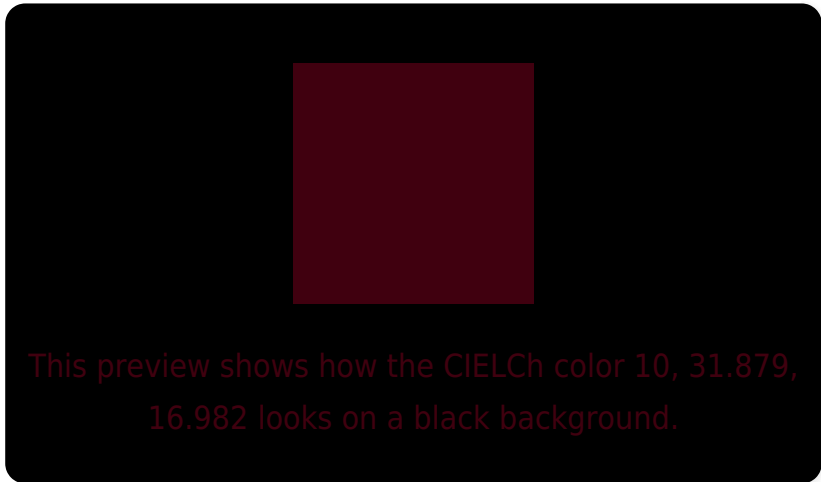
Large Text (above 18pt) WCAG AA ✓ Pass

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

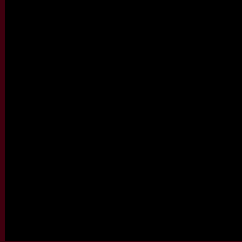
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 31.879, 16.982

Background



This preview shows how black text looks on a background with the CIELCh color 10, 31.879, 16.982.



This preview shows how white text looks on a background with the CIELCh color 10, 31.879, 16.982.

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, 31.879, 16.982

Protanopia

12, 6.664, 94.066

Deuteranopia

12, 14.085, 82.691



Tritanopia
11, 31.248, 29.901

Trichromacy



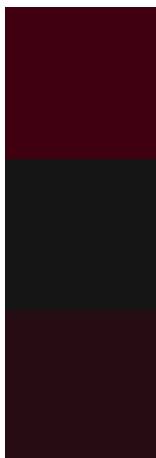
Original Color
10, 31.879, 16.982

Protanomaly
10, 14.486, 23.857

Deuteranomaly
10, 17.640, 38.185

Tritanomaly
10, 31.295, 25.741

Monochromacy



Original Color
10, 31.879, 16.982

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 13.192, 5.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 31.879, 16.982 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(64, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 15)  
}
```

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(64, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 31.879, 16.982 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(64, 0, 15) }
```

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

```
.border{ border-color:rgb(64, 0, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 0, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 0, 15); box-shadow:4px  
4px 4px 4px rgb(64, 0, 15) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 31.879, 16.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 15) }
```

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

```
.background{ background-color: rgb(64, 0,  
15) }
```

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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