

Converting Colors

CIELCh(10, 30.024, 23.970)

Have a look what the booklet for
CIELCh(10, 30.024, 23.970) contains.

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Color

CIELCh(10, 30.132, 23.578)

Conversions

Conversions Part 1

Format	Color
Hex	3E0409
RGB	62, 4, 9
RGB Percent	24%, 2%, 4%
CMY	0.7572, 0.9846, 0.9652
CMYK	0.00, 0.94, 0.86, 0.76
HSL	355°, 88%, 13%
HSV	355°, 94%, 24%
XYZ	2.0724, 1.1260, 0.3628
YIQ	21.9120, 32.9630, 13.8510

Conversions

Conversions Part 2

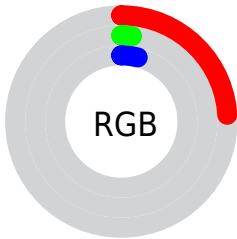
Format	Color
RYB	62, 4, 9
Decimal	4064265
CIELab	10.00, 27.62, 12.05
CIELCh	10, 30.132, 23.578
Yxy	1.1260, 0.5819, 0.3162
Android (android.graphics.Color)	4282254345 (0xFF3E0409)
YUV	21.9120, -6.3656, 35.1572
Hunter-Lab	10.6114, 16.2916, 5.4011

Details

The CIELCh color **10, 30.132, 23.578** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 18.760, 186.012**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 30.105, 24.339**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 31.916, 22.995**, and if you desaturate by 10%, it is **11, 27.460, 23.687**.

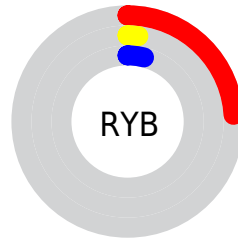
Distribution



Red (24%)

Green (2%)

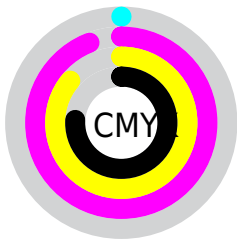
Blue (4%)



Red (24%)

Yellow (2%)

Blue (4%)

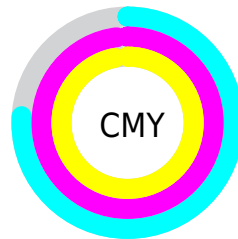


Cyan (0%)

Magenta (94%)

Yellow (86%)

Black (76%)



Cyan (76%)

Magenta (98%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 30.132, 23.578 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, 30.132, 23.578 by changing the saturation by 10% instead.

 10, 30.132, 23.578

 10, 30.132, 23.578

 100, 30.132,
23.578

 0, 30.132, 23.578

 30, 30.132, 23.578

 40, 30.132, 23.578

 50, 30.132, 23.578

 60, 30.132, 23.578

 70, 30.132, 23.578

 80, 30.132, 23.578

 90, 30.132, 23.578

■ 10, 30.132, 23.578

■ 10, 30.132, 23.578

■ 9, 31.916, 22.995

■ 11, 27.460, 23.687

■ 12, 24.463, 22.438

■ 14, 20.968, 20.188

■ 15, 17.391, 18.197

■ 17, 13.852, 16.587

■ 19, 10.415, 15.278

■ 21, 7.122, 14.199

■ 23, 3.993, 13.288

■ 25, 1.038, 12.377

Harmonies

Complementary

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



10, 30.132, 23.578



23, 18.760, 186.012

Rectangle

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



10, 30.132, 23.578



10, 30.132, 73.578



10, 30.132, 203.578



10, 30.132, 253.578

Sweetspot

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



10, 30.131, 23.581



27, 10.779, 14.784



11, 40.163, 324.705



11, 7.349, 14.975



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



10, 30.131, 23.581



14, 40.322, 29.033



15, 25.227, 53.151



10, 1.583, 12.844



18, 45.629, 31.440



46, 90.581, 37.063

Inverse Universe

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



10, 30.131, 23.581



14, 40.322, 29.033



14, 18.352, 263.284



10, 1.583, 12.844



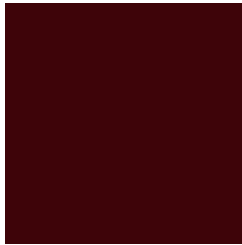
18, 45.629, 31.440



46, 90.581, 37.063

Previews

White Background



This preview shows how the CIELCh color 10, 30.132, 23.578 looks on a white background.

Color Contrast Check

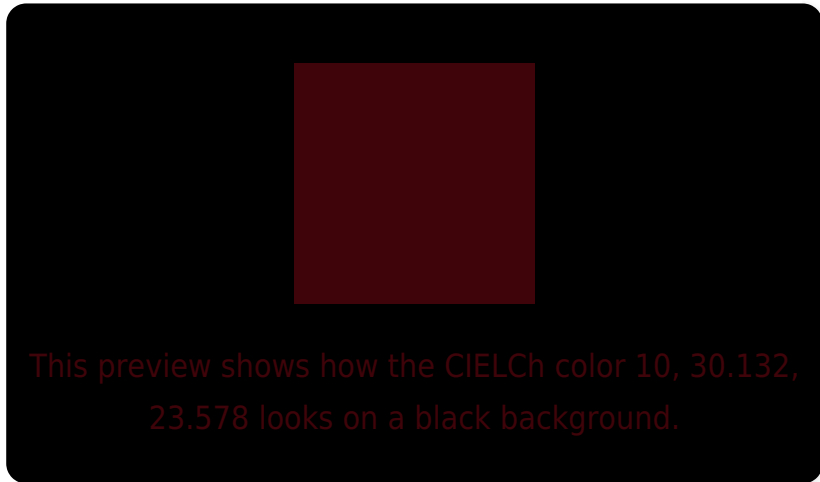
Large Text (above 18pt) WCAG AA ✓ Pass

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

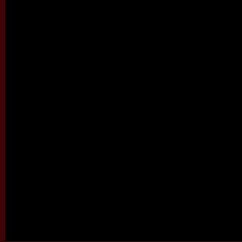
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 30.132, 23.578

Background



This preview shows how black text looks on a background with the CIELCh color 10, 30.132, 23.578.

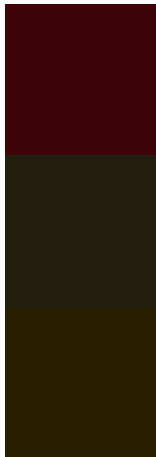


This preview shows how white text looks on a background with the CIELCh color 10, 30.132, 23.578.

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, 30.132, 23.578

Protanopia

12, 11.047, 95.532

Deuteranopia

12, 17.603, 87.239



Tritanopia
10, 30.980, 30.537

Trichromacy



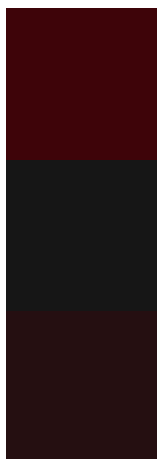
Original Color
10, 30.132, 23.578

Protanomaly
10, 14.878, 40.845

Deuteranomaly
10, 18.800, 50.478

Tritanomaly
10, 30.548, 28.529

Monochromacy



Original Color
10, 30.132, 23.578

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 12.079, 15.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 30.132, 23.578 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(62, 4, 9)` looks like.

```
.text, #text, p{  
    color:rgb(62, 4, 9)  
}
```

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(62, 4, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 4, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 30.132, 23.578 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(62, 4, 9) }
```

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

```
.border{ border-color:rgb(62, 4, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 4, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 4, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 4, 9); box-shadow:4px  
4px 4px 4px rgb(62, 4, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 30.132, 23.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 4, 9) }
```

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

```
.background{ background-color: rgb(62, 4,  
9) }
```

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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