

Converting Colors

CIELCh(10, 31.521, 0.127)

Have a look what the booklet for
CIELCh(10, 31.521, 0.127) contains.

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Color

CIELCh(10, 31.221, 0.948)

Conversions

Conversions Part 1

Format	Color
Hex	3F001C
RGB	63, 0, 28
RGB Percent	25%, 0%, 11%
CMY	0.7540, 1.0000, 0.8911
CMYK	0.00, 1.00, 0.56, 0.75
HSL	333°, 100%, 12%
HSV	333°, 100%, 25%
XYZ	2.2369, 1.1260, 1.1841
YIQ	22.0290, 28.5600, 22.0640

Conversions

Conversions Part 2

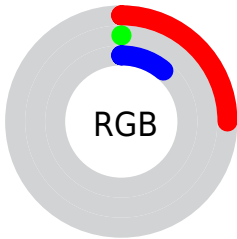
Format	Color
RYB	63, 0, 28
Decimal	4128796
CIELab	10.00, 31.22, 0.52
CIELCh	10, 31.221, 0.948
Yxy	1.1260, 0.4919, 0.2476
Android (android.graphics.Color)	4282318876 (0xFF3F001C)
YUV	22.0290, 2.9437, 35.9316
Hunter-Lab	10.6114, 19.0572, 0.8117

Details

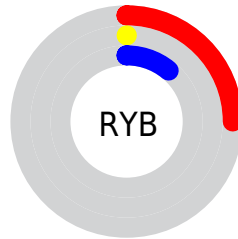
The CIELCh color **10, 31.221, 0.948** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 28.886, 155.449**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 31.165, 0.737**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 31.125, 1.040**, and if you desaturate by 10%, it is **11, 28.602, 359.092**.

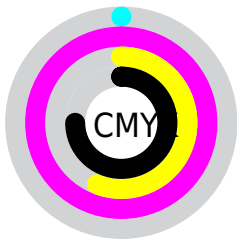
Distribution



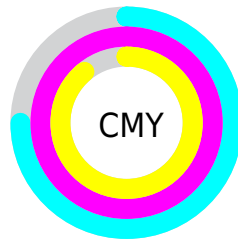
- Red (25%)
- Green (0%)
- Blue (11%)



- Red (25%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (75%)



- Cyan (75%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 31.221, 0.948 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, 31.221, 0.948 by changing the saturation by 10% instead.

 10, 31.221, 0.948

 10, 31.221, 0.948

 100, 31.221, 0.948

 0, 31.221, 0.948

 30, 31.221, 0.948

 40, 31.221, 0.948

 50, 31.221, 0.948

 60, 31.221, 0.948

 70, 31.221, 0.948

 80, 31.221, 0.948

 90, 31.221, 0.948

 10, 31.221, 0.948

 10, 31.221, 0.948

■ 10, 31.125, 1.040

■ 11, 28.602,
359.092

■ 12, 26.392,
356.772

■ 14, 23.803,
354.738

■ 15, 20.784,
353.057

■ 17, 17.475,
351.642

■ 18, 13.997,
350.429

■ 20, 10.451,
349.369

■ 22, 6.907, 348.424

■ 24, 3.415, 347.557

Harmonies

Complementary

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



10, 31.221, 0.948



22, 28.886, 155.449

Rectangle

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



10, 31.221, 0.948



10, 31.221, 50.948



10, 31.221, 180.948



10, 31.221, 230.948

Sweetspot

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



10, 31.125, 1.040



27, 13.023, 349.502



6, 44.203, 314.222



11, 8.741, 349.650



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, 31.125, 1.040



15, 36.987, 3.095



10, 31.885, 29.252



10, 1.853, 347.419



18, 40.838, 4.087



47, 76.024, 8.147

Inverse Universe

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



10, 31.125, 1.040



15, 36.987, 3.095



22, 17.316, 203.615



10, 1.853, 347.419



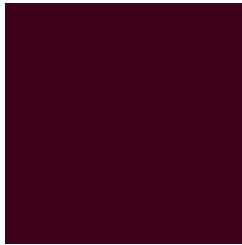
18, 40.838, 4.087



47, 76.024, 8.147

Previews

White Background



This preview shows how the CIELCh color 10, 31.221, 0.948 looks on a white background.

Color Contrast Check

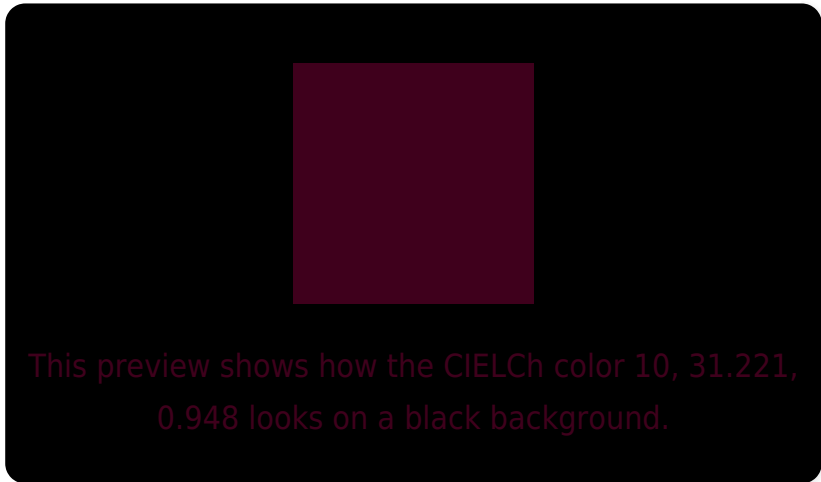
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.221, 0.948

Background



This preview shows how black text looks on a background with the CIELCh color 10, 31.221, 0.948.



This preview shows how white text looks on a background with the CIELCh color 10, 31.221, 0.948.

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, 31.221, 0.948

Protanopia

12, 5.831, 282.971

Deuteranopia

12, 5.769, 68.009



Tritanopia
11, 27.731, 27.584

Trichromacy



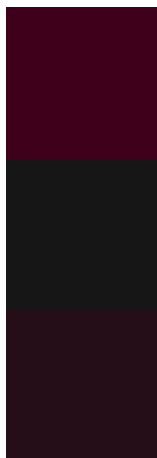
Original Color
10, 31.221, 0.948

Protanomaly
10, 15.514, 336.247

Deuteranomaly
10, 14.714, 7.913

Tritanomaly
11, 28.219, 18.811

Monochromacy



Original Color
10, 31.221, 0.948

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 13.600, 353.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 31.221, 0.948 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(63, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(63, 0, 28)  
}
```

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(63, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 0, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 31.221, 0.948 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(63, 0, 28) }
```

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

```
.border{ border-color:rgb(63, 0, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 0, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 0, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(63, 0, 28); box-shadow:4px  
4px 4px 4px rgb(63, 0, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 31.221, 0.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 0, 28) }
```

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

```
.background{ background-color: rgb(63, 0,  
28) }
```

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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