

Converting Colors

CIELCh(10, 31.474, 12.978)

Have a look what the booklet for
CIELCh(10, 31.474, 12.978) contains.

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Color

CIELCh(10, 31.561, 13.034)

Conversions

Conversions Part 1

Format	Color
Hex	400013
RGB	64, 0, 19
RGB Percent	25%, 0%, 7%
CMY	0.7498, 1.0000, 0.9263
CMYK	0.00, 1.00, 0.71, 0.75
HSL	342°, 100%, 13%
HSV	342°, 100%, 25%
XYZ	2.2150, 1.1260, 0.7078
YIQ	21.3020, 32.0450, 19.4770

Conversions

Conversions Part 2

Format	Color
RYB	64, 0, 19
Decimal	4194323
CIELab	10.00, 30.75, 7.12
CIElCh	10, 31.561, 13.034
Yxy	1.1260, 0.5471, 0.2781
Android (android.graphics.Color)	4282384403 (0xFF400013)
YUV	21.3020, -1.1349, 37.4461
Hunter-Lab	10.6114, 18.6891, 3.4734

Details

The CIELCh color **10, 31.561, 13.034** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 24.886, 165.198**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 31.515, 12.982**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 31.497, 13.128**, and if you desaturate by 10%, it is **11, 28.661, 11.351**.

Distribution



Red (25%)

Green (0%)

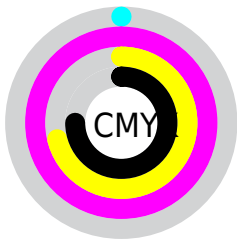
Blue (7%)



Red (25%)

Yellow (0%)

Blue (7%)



Cyan (0%)

Magenta (100%)

Yellow (71%)

Black (75%)



Cyan (75%)

Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 31.561, 13.034 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, 31.561, 13.034 by changing the saturation by 10% instead.

 10, 31.561, 13.034

 10, 31.561, 13.034

 100, 31.561,
13.034

 0, 31.561, 13.034

 30, 31.561, 13.034

 40, 31.561, 13.034

 50, 31.561, 13.034

 60, 31.561, 13.034

 70, 31.561, 13.034

 80, 31.561, 13.034

 90, 31.561, 13.034

■ 10, 31.561, 13.034

■ 10, 31.561, 13.034

■ 10, 31.497, 13.128

■ 11, 28.661, 11.351

■ 12, 26.096, 8.351

■ 14, 23.255, 5.732

■ 15, 20.099, 3.600

■ 17, 16.746, 1.846

■ 19, 13.306, 0.381

■ 21, 9.862, 359.136

■ 23, 6.475, 358.057

■ 25, 3.181, 357.089

Harmonies

Complementary

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



10, 31.561, 13.034



23, 24.886, 165.198

Rectangle

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



10, 31.561, 13.034



10, 31.561, 63.034



10, 31.561, 193.034



10, 31.561, 243.034

Sweetspot

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



10, 31.497, 13.128



28, 12.442, 359.295



8, 44.110, 318.506



12, 8.584, 359.511



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, 31.497, 13.128



15, 38.358, 16.514



12, 30.000, 37.181



12, 1.822, 356.954



18, 42.483, 17.690



47, 80.175, 22.382

Inverse Universe

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



10, 31.497, 13.128



15, 38.358, 16.514



19, 16.159, 230.405



12, 1.822, 356.954



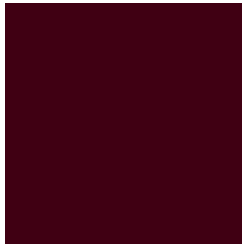
18, 42.483, 17.690



47, 80.175, 22.382

Previews

White Background



This preview shows how the CIELCh color 10, 31.561, 13.034 looks on a white background.

Color Contrast Check

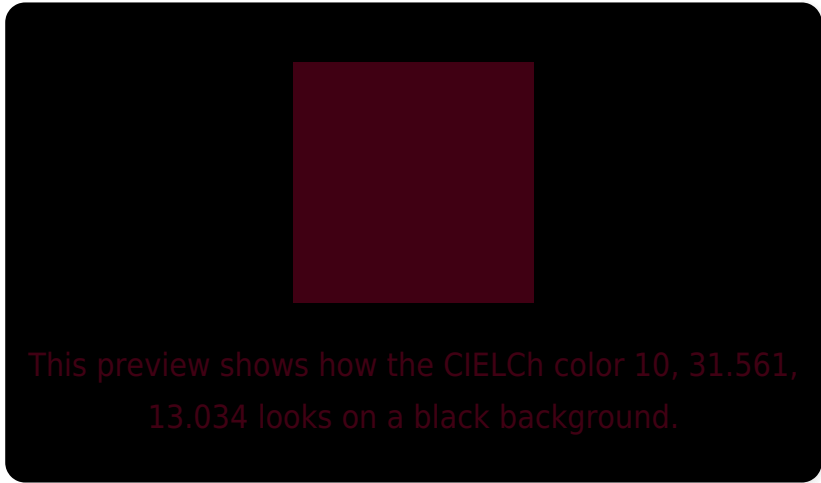
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.561, 13.034

Background



This preview shows how black text looks on a background with the CIELCh color 10, 31.561, 13.034.



This preview shows how white text looks on a background with the CIELCh color 10, 31.561, 13.034.

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, 31.561, 13.034

Protanopia

12, 3.057, 89.440

Deuteranopia

12, 11.566, 80.997



Tritanopia
11, 29.759, 29.133

Trichromacy



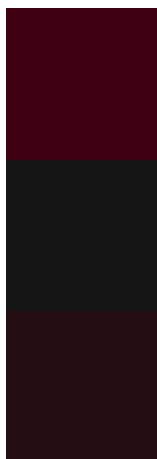
Original Color
10, 31.561, 13.034

Protanomaly
10, 13.661, 9.184

Deuteranomaly
11, 16.658, 30.527

Tritanomaly
10, 30.042, 23.309

Monochromacy



Original Color
10, 31.561, 13.034

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 13.323, 2.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 31.561, 13.034 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 31.561, 13.034 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, 19) }
```

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

```
.border{ border-color:rgb(64, 0, 19) }
```

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, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 19); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 0, 19); box-shadow:4px  
4px 4px 4px rgb(64, 0, 19) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 31.561, 13.034 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, 19) }
```

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

```
.background{ background-color: rgb(64, 0,  
19) }
```

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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