

Converting Colors

CIELCh(13, 35.430, 10.754)

Have a look what the booklet for
CIELCh(13, 35.430, 10.754) contains.

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Color

CIELCh(13, 34.968, 10.911)

Conversions

Conversions Part 1

Format	Color
Hex	4B001A
RGB	75, 0, 26
RGB Percent	29%, 0%, 10%
CMY	0.7064, 1.0000, 0.8984
CMYK	0.00, 1.00, 0.65, 0.71
HSL	339°, 100%, 15%
HSV	339°, 100%, 29%
XYZ	3.0759, 1.5625, 1.1111
YIQ	25.3890, 36.3540, 23.9860

Conversions

Conversions Part 2

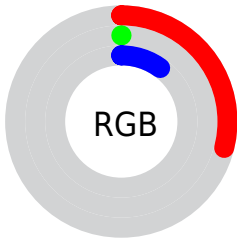
Format	Color
RYB	75, 0, 26
Decimal	4915226
CIELab	13.00, 34.34, 6.62
CIELCh	13, 34.968, 10.911
Yxy	1.5625, 0.5350, 0.2718
Android (android.graphics.Color)	4283105306 (0xFF4B001A)
YUV	25.3890, 0.3012, 43.5088
Hunter-Lab	12.5000, 22.0485, 3.4796

Details

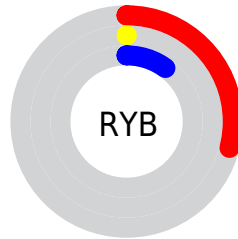
The CIELCh color **13, 34.968, 10.911** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 29.626, 160.799**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 34.626, 10.704**, and **1, 3.057, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 34.930, 10.956**, and if you desaturate by 10%, it is **14, 32.225, 8.061**.

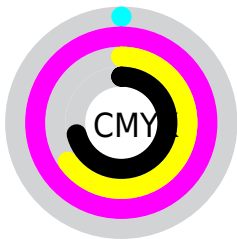
Distribution



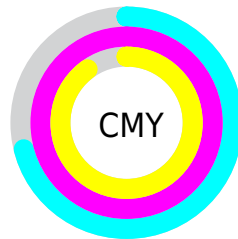
- Red (29%)
- Green (0%)
- Blue (10%)



- Red (29%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (71%)



- Cyan (71%)
- Magenta (100%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 34.968, 10.911 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 13, 34.968, 10.911 by changing the saturation by 10% instead.

 13, 34.968, 10.911

 13, 34.968, 10.911

 100, 34.968,
10.911

 3, 34.968, 10.911

 33, 34.968, 10.911

 0, 34.968, 10.911

 43, 34.968, 10.911

 53, 34.968, 10.911

 63, 34.968, 10.911

 73, 34.968, 10.911

 83, 34.968, 10.911

 93, 34.968, 10.911

■ 13, 34.968, 10.911

■ 13, 34.968, 10.911

■ 13, 34.930, 10.956

■ 14, 32.225, 8.061

■ 15, 29.720, 4.883

■ 17, 26.698, 2.260

■ 18, 23.221, 0.133

■ 20, 19.445,
358.387

■ 22, 15.510,
356.928

■ 25, 11.532,
355.685

■ 27, 7.590, 354.603

■ 29, 3.736, 353.632

Harmonies

Complementary

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



13, 34.968, 10.911



27, 29.626, 160.799

Rectangle

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



13, 34.968, 10.911



13, 34.968, 60.911



13, 34.968, 190.911



13, 34.968, 240.911

Sweetspot

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



13, 34.930, 10.956



32, 14.295, 355.814



10, 49.538, 316.828



14, 9.641, 356.056



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 34.930, 10.956



19, 41.870, 13.093



14, 36.053, 36.955



14, 2.118, 353.507



20, 43.443, 13.470



49, 79.702, 17.714

Inverse Universe

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



13, 34.930, 10.956



19, 41.870, 13.093



24, 18.039, 221.643



14, 2.118, 353.507



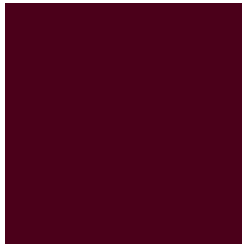
20, 43.443, 13.470



49, 79.702, 17.714

Previews

White Background



This preview shows how the CIELCh color 13, 34.968, 10.911 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

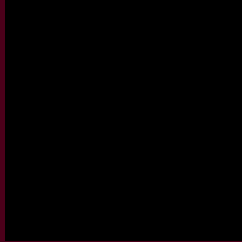
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 34.968, 10.911

Background



This preview shows how black text looks on a background with the CIELCh color 13, 34.968, 10.911.

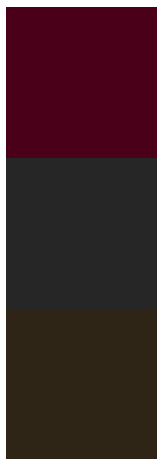


This preview shows how white text looks on a background with the CIELCh color 13, 34.968, 10.911.

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

13, 34.968, 10.911

Protanopia

15, 0.487, 19.156

Deuteranopia

15, 11.325, 78.311



Tritanopia
14, 34.217, 31.040

Trichromacy



Original Color
13, 34.968, 10.911

Protanomaly
13, 15.495, 357.660

Deuteranomaly
13, 18.026, 25.042

Tritanomaly
13, 34.199, 24.774

Monochromacy



Original Color
13, 34.968, 10.911

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 15.241, 0.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 34.968, 10.911 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(75, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 26)  
}
```

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(75, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 34.968, 10.911 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(75, 0, 26) }
```

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

```
.border{ border-color:rgb(75, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 26); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 0, 26); box-shadow:4px  
4px 4px 4px rgb(75, 0, 26) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 34.968, 10.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 26) }
```

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

```
.background{ background-color: rgb(75, 0,  
26) }
```

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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