

Converting Colors

CIELCh(6, 59.666, 349.604)

Have a look what the booklet for
CIELCh(6, 59.666, 349.604) contains.

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Color

CIELCh(13, 35.094, 0.433)

Conversions

Conversions Part 1

Format	Color
Hex	4A0022
RGB	74, 0, 34
RGB Percent	29%, 0%, 13%
CMY	0.7093, 1.0000, 0.8654
CMYK	0.00, 1.00, 0.54, 0.71
HSL	332°, 100%, 15%
HSV	332°, 100%, 29%
XYZ	3.1199, 1.5625, 1.6744
YIQ	26.0020, 33.1900, 26.2620

Conversions

Conversions Part 2

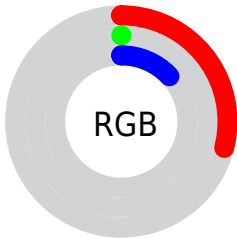
Format	Color
R_{YB}	74, 0, 34
Decimal	4849698
CIE Lab	13.00, 35.09, 0.27
CIE LCh	13, 35.094, 0.433
Yxy	1.5625, 0.4908, 0.2458
Android (android.graphics.Color)	4283039778 (0xFF4A0022)
YUV	26.0020, 3.9430, 42.0942
Hunter-Lab	12.5000, 22.6777, 0.8081

Details

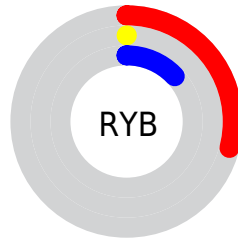
The CIELCh color **13, 35.094, 0.433** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **27, 33.392, 153.621**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 34.724, 1.185**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 34.804, 0.676**, and if you desaturate by 10%, it is **14, 32.469, 358.337**.

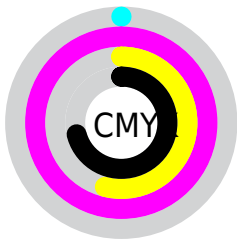
Distribution



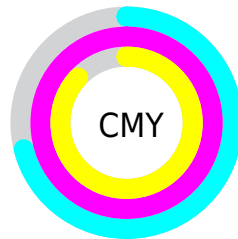
- Red (29%)
- Green (0%)
- Blue (13%)



- Red (29%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (71%)




- Cyan (71%)
- Magenta (100%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 35.094, 0.433 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, 35.094, 0.433 by changing the saturation by 10% instead.

 13, 35.094, 0.433  13, 35.094, 0.433

 100, 35.094, 0.433  3, 35.094, 0.433

 33, 35.094, 0.433  0, 35.094, 0.433

 43, 35.094, 0.433

 53, 35.094, 0.433

 63, 35.094, 0.433

 73, 35.094, 0.433

 83, 35.094, 0.433

 93, 35.094, 0.433

 13, 35.094, 0.433  13, 35.094, 0.433

■ 13, 34.804, 0.676

■ 14, 32.469,
358.337

■ 15, 30.269,
355.815

■ 17, 27.436,
353.723

■ 18, 24.047,
352.004

■ 20, 20.272,
350.564

■ 22, 16.268,
349.332

■ 25, 12.161,
348.257

■ 27, 8.044, 347.301

■ 29, 3.978, 346.424

Harmonies

Complementary

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



13, 35.094, 0.433



27, 33.392, 153.621

Rectangle

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



13, 35.094, 0.433



13, 35.094, 50.433



13, 35.094, 180.433



13, 35.094, 230.433

Sweetspot

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



13, 34.804, 0.676



32, 15.191, 348.376



8, 50.270, 313.811



14, 10.234, 348.587



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, 34.804, 0.676



19, 41.687, 2.463



13, 37.522, 31.987



14, 2.275, 346.312



20, 43.194, 2.769



49, 77.959, 6.291

Inverse Universe

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



13, 34.804, 0.676



19, 41.687, 2.463



27, 19.690, 201.240



14, 2.275, 346.312



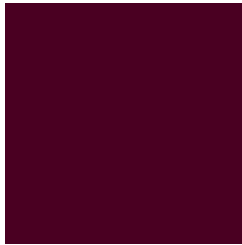
20, 43.194, 2.769



49, 77.959, 6.291

Previews

White Background



This preview shows how the CIE LCh color 13, 35.094, 0.433 looks on a white background.

Color Contrast Check

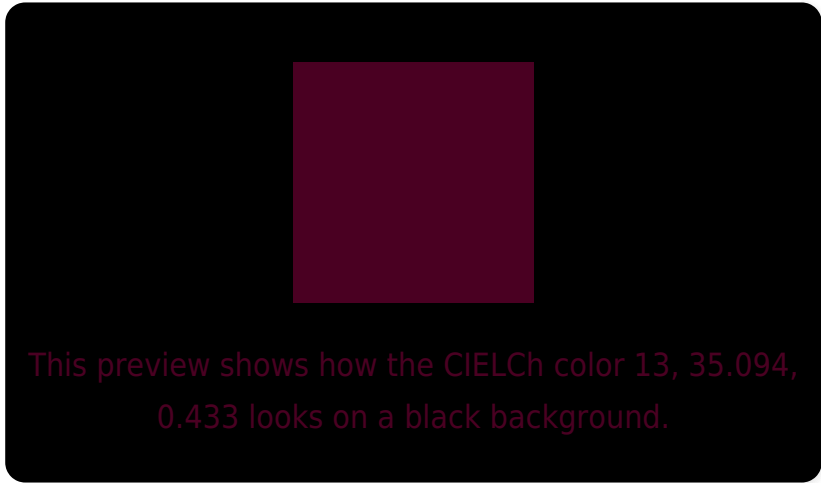
Large Text (above 18pt) WCAG AA ✓ Pass

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

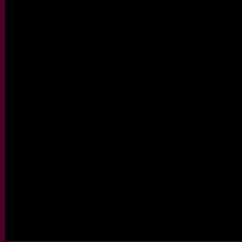
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 35.094, 0.433

Background



This preview shows how black text looks on a background with the CIELCh color 13, 35.094, 0.433.



This preview shows how white text looks on a background with the CIELCh color 13, 35.094, 0.433.

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, 34.740, 0.950

Protanopia

15, 8.521, 283.793

Deuteranopia

15, 5.971, 64.535



Tritanopia
14, 32.063, 30.709

Trichromacy



Original Color
13, 34.740, 0.950

Protanomaly
13, 18.074, 333.308

Deuteranomaly
13, 17.037, 6.143

Tritanomaly
14, 31.927, 20.142

Monochromacy



Original Color
13, 34.740, 0.950

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 15.839, 352.496

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 13, 35.094, 0.433 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(74, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 34)  
}
```

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(74, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 35.094, 0.433 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(74, 0, 34) }
```

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

```
.border{ border-color:rgb(74, 0, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 34); box-shadow:4px  
4px 4px 4px rgb(74, 0, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 35.094, 0.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 34) }
```

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

```
.background{ background-color: rgb(74, 0,  
34) }
```

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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