

Converting Colors

CIELCh(13, 35.722, 349.007)

Have a look what the booklet for
CIELCh(13, 35.722, 349.007)
contains.

CIELCh(13, 35.985, 348.750)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(13, 35.985, 348.750)

Conversions

Conversions Part 1

Format	Color
Hex	48002C
RGB	72, 0, 44
RGB Percent	28%, 0%, 17%
CMY	0.7175, 0.9998, 0.8273
CMYK	0.00, 1.00, 0.39, 0.72
HSL	323°, 100%, 14%
HSV	323°, 100%, 28%
XYZ	3.1317, 1.5625, 2.5232
YIQ	26.5440, 28.7880, 28.9480

Conversions

Conversions Part 2

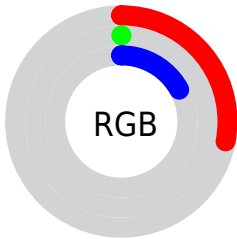
Format	Color
R_YB	72, 0, 44
Decimal	4718636
CIE Lab	13.00, 35.29, -7.02
CIE LCh	13, 35.985, 348.750
Yxy	1.5625, 0.4339, 0.2165
Android (android.graphics.Color)	4282908716 (0xFF48002C)
YUV	26.5440, 8.6058, 39.8649
Hunter-Lab	12.5000, 22.8453, -3.2182

Details

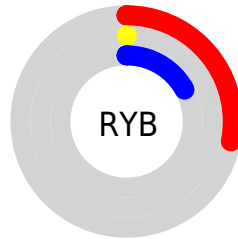
The CIELCh color **13, 35.985, 348.750** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **26, 37.599, 146.765**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 36.022, 348.465**, and **1, 3.677, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 35.998, 348.759**, and if you desaturate by 10%, it is **14, 33.776, 347.249**.

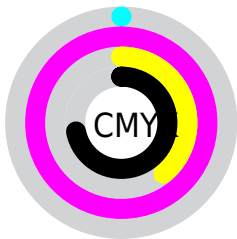
Distribution



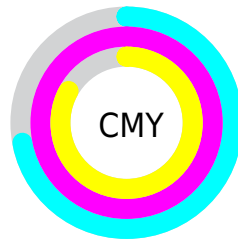
- Red (28%)
- Green (0%)
- Blue (17%)



- Red (28%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (72%)





- Cyan (72%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 35.985, 348.750 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, 35.985, 348.750 by changing the saturation by 10% instead.

 13, 35.985,
348.750


 13, 35.985,
348.750


 100, 35.985,
348.750


 3, 35.985, 348.750


 33, 35.985,
348.750

 0, 35.985, 348.750

 43, 35.985,
348.750


 53, 35.985,
348.750


 63, 35.985,
348.750


 73, 35.985,
348.750


 83, 35.985,


348.750


 93, 35.985,
348.750


 13, 35.985,
348.750


 13, 35.985,
348.750


 13, 35.998,
348.759

 14, 33.776,
347.249

 15, 31.662,
345.632

 16, 28.847,
344.245

 18, 25.406,
343.058

 20, 21.515,
342.019

■ 22, 17.339,
341.093

■ 24, 13.010,
340.251

■ 26, 8.631, 339.474

■ 28, 4.271, 338.741

Harmonies

Complementary

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



13, 35.985, 348.750



26, 37.599, 146.765

Rectangle

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



13, 35.985, 348.750



13, 35.985, 38.750



13, 35.985, 168.750



13, 35.985, 218.750

Sweetspot

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



13, 35.983, 348.751



32, 16.308, 340.353



6, 50.223, 310.421



14, 11.221, 340.530



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, 35.983, 348.751



19, 42.960, 349.898



12, 35.941, 25.241



13, 2.374, 338.642



20, 44.514, 350.098



50, 80.234, 352.394

Inverse Universe

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



13, 35.983, 348.751



19, 42.960, 349.898



27, 22.239, 181.633



13, 2.374, 338.642



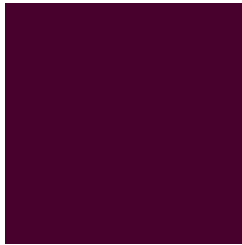
20, 44.514, 350.098



50, 80.234, 352.394

Previews

White Background



This preview shows how the CIELCh color 13, 35.985, 348.750 looks on a white background.

Color Contrast Check

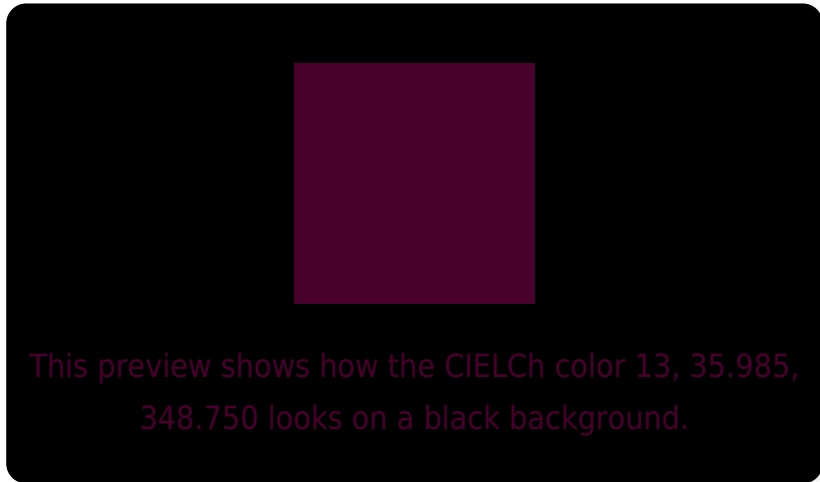
Large Text (above 18pt) WCAG AA ✓ Pass

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

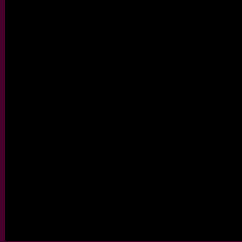
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 35.985, 348.750

Background



This preview shows how black text looks on a background with the CIELCh color 13, 35.985, 348.750.



This preview shows how white text looks on a background with the CIELCh color 13, 35.985, 348.750.

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, 35.985, 348.750

Protanopia

15, 18.464, 285.089

Deuteranopia

15, 3.429, 324.840



Tritanopia
14, 29.180, 28.126

Trichromacy



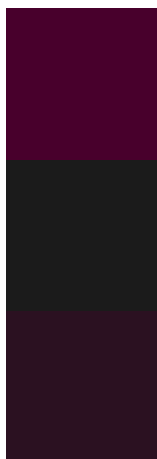
Original Color
13, 35.985, 348.750

Protanomaly
12, 24.193, 315.429

Deuteranomaly
13, 17.998, 340.471

Tritanomaly
14, 29.737, 12.530

Monochromacy



Original Color
13, 35.985, 348.750

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 16.823, 342.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 35.985, 348.750 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(72, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(72, 0, 44)  
}
```

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(72, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 35.985, 348.750 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(72, 0, 44) }
```

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

```
.border{ border-color:rgb(72, 0, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 0, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 0, 44); box-shadow:4px  
4px 4px 4px rgb(72, 0, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 35.985, 348.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 0, 44) }
```

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

```
.background{ background-color: rgb(72, 0,  
44) }
```

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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