

Converting Colors

CIELCh(4, 69.789, 342.387)

Have a look what the booklet for
CIELCh(4, 69.789, 342.387) contains.

CIELCh(13, 36.331, 350.090)	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, 36.331, 350.090)

Conversions

Conversions Part 1

Format	Color
Hex	49002B
RGB	73, 0, 43
RGB Percent	29%, 0%, 17%
CMY	0.7144, 1.0000, 0.8313
CMYK	0.00, 1.00, 0.41, 0.71
HSL	325°, 100%, 14%
HSV	325°, 100%, 29%
XYZ	3.1608, 1.5625, 2.4227
YIQ	26.7290, 29.7050, 28.8490

Conversions

Conversions Part 2

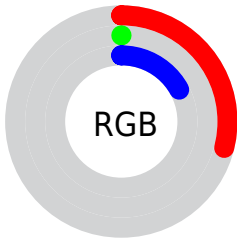
Format	Color
R_{YB}	73, 0, 43
Decimal	4784171
CIE Lab	13.00, 35.79, -6.25
CIE LCh	13, 36.331, 350.090
Yxy	1.5625, 0.4423, 0.2187
Android (android.graphics.Color)	4282974251 (0xFF49002B)
YUV	26.7290, 8.0216, 40.5797
Hunter-Lab	12.5000, 23.2612, -2.7413

Details

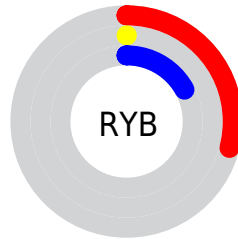
The CIELCh color **13, 36.331, 350.090** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **26, 37.261, 147.552**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 35.818, 350.736**, and **1, 4.364, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 35.899, 350.306**, and if you desaturate by 10%, it is **14, 33.701, 348.684**.

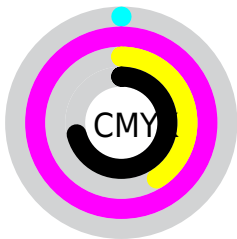
Distribution



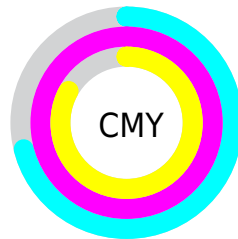
- Red (29%)
- Green (0%)
- Blue (17%)



- Red (29%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 36.331, 350.090 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, 36.331, 350.090 by changing the saturation by 10% instead.

 13, 36.331,
350.090


 13, 36.331,
350.090


 100, 36.331,
350.090


 3, 36.331, 350.090


 33, 36.331,
350.090

 0, 36.331, 350.090

 43, 36.331,
350.090


 53, 36.331,
350.090


 63, 36.331,
350.090


 73, 36.331,
350.090


 83, 36.331,


350.090


 93, 36.331,
350.090

 13, 36.331,
350.090


 13, 36.331,
350.090


 13, 35.899,
350.306

 14, 33.701,
348.684

 15, 31.595,
346.942

 17, 28.785,
345.459

 18, 25.349,
344.200

 20, 21.464,
343.107

■ 22, 17.297,
342.138

■ 24, 12.981,
341.264

■ 26, 8.617, 340.463

■ 29, 4.276, 339.710

Harmonies

Complementary

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



13, 36.331, 350.090



26, 37.261, 147.552

Rectangle

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



13, 36.331, 350.090



13, 36.331, 40.090



13, 36.331, 170.090



13, 36.331, 220.090

Sweetspot

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



13, 35.899, 350.306



32, 16.090, 341.361



7, 50.643, 310.814



14, 11.072, 341.543



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, 35.899, 350.306



19, 42.551, 351.483



12, 36.453, 26.172



13, 2.340, 339.602



20, 44.091, 351.700



50, 79.522, 354.182

Inverse Universe

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



13, 35.899, 350.306



19, 42.551, 351.483



27, 22.042, 183.535



13, 2.340, 339.602



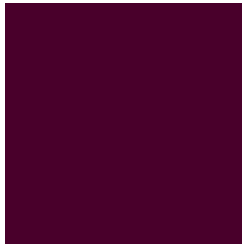
20, 44.091, 351.700



50, 79.522, 354.182

Previews

White Background



This preview shows how the CIELCh color 13, 36.331, 350.090 looks on a white background.

Color Contrast Check

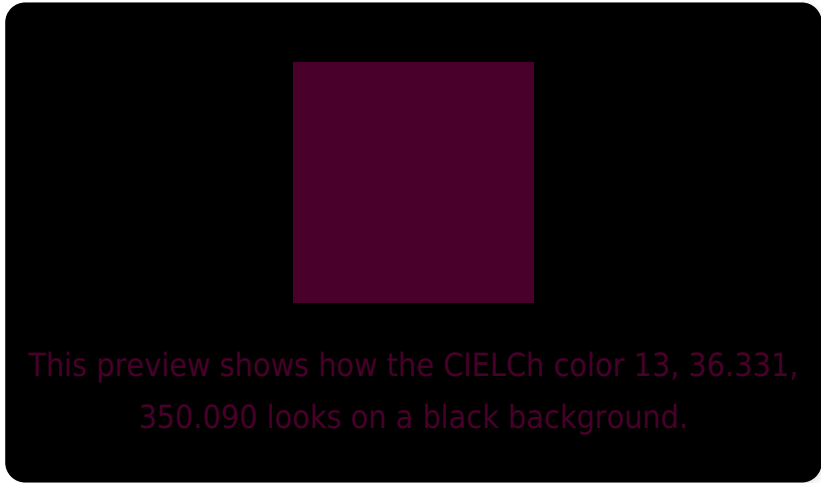
Large Text (above 18pt) WCAG AA ✓ Pass

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

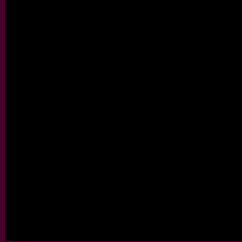
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 36.331, 350.090

Background



This preview shows how black text looks on a background with the CIELCh color 13, 36.331, 350.090.



This preview shows how white text looks on a background with the CIELCh color 13, 36.331, 350.090.

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, 35.923, 350.437

Protanopia

15, 17.047, 283.578

Deuteranopia

15, 2.879, 332.803



Tritanopia
14, 29.396, 29.169

Trichromacy



Original Color
13, 35.923, 350.437

Protanomaly
13, 23.660, 317.035

Deuteranomaly
13, 17.918, 343.513

Tritanomaly
14, 30.231, 14.366

Monochromacy



Original Color
13, 35.923, 350.437

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 17.140, 343.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 36.331, 350.090 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(73, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 43)  
}
```

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(73, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 36.331, 350.090 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(73, 0, 43) }
```

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

```
.border{ border-color:rgb(73, 0, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 43); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 0, 43); box-shadow:4px  
4px 4px 4px rgb(73, 0, 43) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 36.331, 350.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 0, 43) }
```

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

```
.background{ background-color: rgb(73, 0,  
43) }
```

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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