

Converting Colors

CIELCh(3, 71.866, 339.544)

Have a look what the booklet for
CIELCh(3, 71.866, 339.544) contains.

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Color

CIELCh(13, 36.646, 345.158)

Conversions

Conversions Part 1

Format	Color
Hex	47002F
RGB	71, 0, 47
RGB Percent	28%, 0%, 18%
CMY	0.7205, 0.9990, 0.8148
CMYK	0.00, 1.00, 0.34, 0.72
HSL	320°, 99%, 14%
HSV	320°, 100%, 28%
XYZ	3.1393, 1.5625, 2.8507
YIQ	26.5870, 27.2290, 29.6690

Conversions

Conversions Part 2

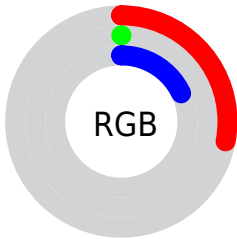
Format	Color
R_{YB}	71, 0, 47
Decimal	4653103
CIE _{Lab}	13.00, 35.42, -9.39
CIE _{LCh}	13, 36.646, 345.158
Yxy	1.5625, 0.4157, 0.2069
Android (android.graphics.Color)	4282843183 (0xFF47002F)
YUV	26.5870, 10.0636, 38.9502
Hunter-Lab	12.5000, 22.9540, -4.7712

Details

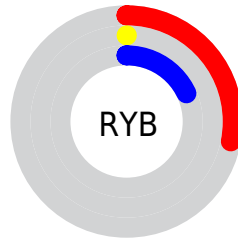
The CIELCh color **13, 36.646, 345.158** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 38.807, 144.905**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 36.583, 345.404**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 36.728, 345.199**, and if you desaturate by 10%, it is **14, 34.418, 343.907**.

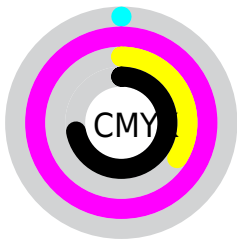
Distribution



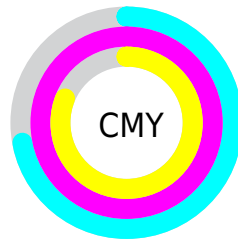
- Red (28%)
- Green (0%)
- Blue (18%)



- Red (28%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (72%)





- Cyan (72%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 36.646, 345.158 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, 36.646, 345.158 by changing the saturation by 10% instead.

 13, 36.646,
345.158


 13, 36.646,
345.158


 100, 36.646,
345.158


 3, 36.646, 345.158


 33, 36.646,
345.158

 0, 36.646, 345.158

 43, 36.646,
345.158


 53, 36.646,
345.158


 63, 36.646,
345.158


 73, 36.646,
345.158


 83, 36.646,


345.158


 93, 36.646,
345.158


 13, 36.646,
345.158


 13, 36.646,
345.158


 13, 36.728,
345.199

 14, 34.418,
343.907

 15, 32.258,
342.565

 16, 29.382,
341.394

 18, 25.871,
340.371

 20, 21.902,
339.457

■ 22, 17.638,
338.625

■ 24, 13.213,
337.857

■ 26, 8.730, 337.138

■ 28, 4.259, 336.451

Harmonies

Complementary

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



13, 36.646, 345.158



26, 38.807, 144.905

Rectangle

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



13, 36.646, 345.158



13, 36.646, 35.158



13, 36.646, 165.158



13, 36.646, 215.158

Sweetspot

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



13, 36.644, 345.159



31, 16.494, 337.968



6, 49.771, 309.300



13, 11.088, 338.108



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 36.644, 345.159



18, 43.329, 346.071



12, 35.093, 22.814



13, 2.461, 336.378



20, 45.727, 346.319



50, 82.369, 348.171

Inverse Universe

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



13, 36.644, 345.159



18, 43.329, 346.071



26, 23.243, 176.280



13, 2.461, 336.378



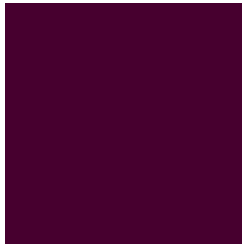
20, 45.727, 346.319



50, 82.369, 348.171

Previews

White Background



This preview shows how the CIELCh color 13, 36.646, 345.158 looks on a white background.

Color Contrast Check

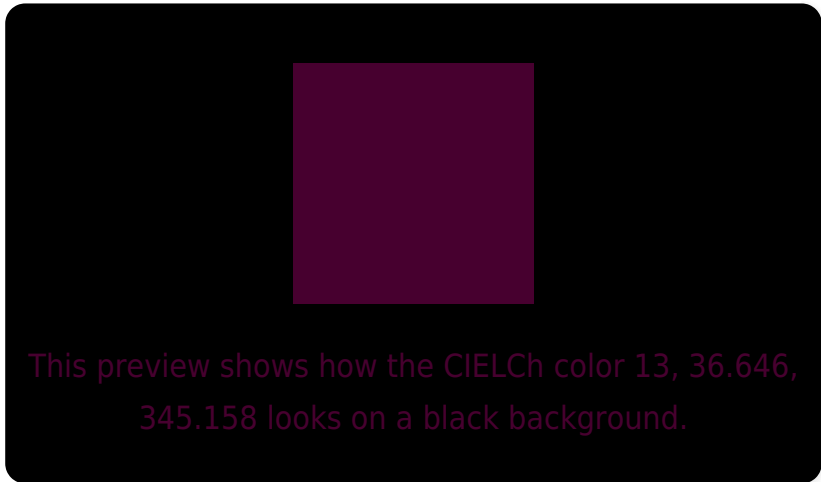
Large Text (above 18pt) WCAG AA ✓ Pass

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

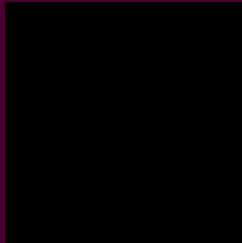
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 36.646, 345.158

Background



This preview shows how black text looks on a background with the CIELCh color 13, 36.646, 345.158.



This preview shows how white text looks on a background with the CIELCh color 13, 36.646, 345.158.

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, 36.646, 345.158

Protanopia

15, 22.010, 284.915

Deuteranopia

15, 5.051, 302.063



Tritanopia
14, 27.305, 28.449

Trichromacy



Original Color
13, 36.646, 345.158

Protanomaly
12, 26.567, 310.858

Deuteranomaly
13, 19.054, 334.330

Tritanomaly
14, 28.892, 9.757

Monochromacy



Original Color
13, 36.646, 345.158

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 17.233, 340.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 36.646, 345.158 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(71, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 47)  
}
```

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(71, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 36.646, 345.158 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(71, 0, 47) }
```

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

```
.border{ border-color:rgb(71, 0, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 0, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 0, 47); box-shadow:4px  
4px 4px 4px rgb(71, 0, 47) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 36.646, 345.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 0, 47) }
```

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

```
.background{ background-color: rgb(71, 0,  
47) }
```

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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