

Converting Colors

CIELCh(14, 38.240, 345.975)

Have a look what the booklet for
CIELCh(14, 38.240, 345.975)
contains.

CIELCh(14, 37.914, 346.591)	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(14, 37.914, 346.591)

Conversions

Conversions Part 1

Format	Color
Hex	4C0031
RGB	76, 0, 49
RGB Percent	30%, 0%, 19%
CMY	0.7036, 1.0000, 0.8092
CMYK	0.00, 1.00, 0.36, 0.70
HSL	321°, 100%, 15%
HSV	321°, 100%, 30%
XYZ	3.4902, 1.7298, 3.0164
YIQ	28.3100, 29.5670, 31.3510

Conversions

Conversions Part 2

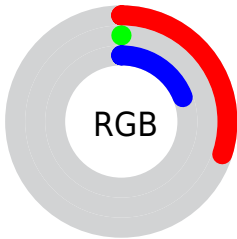
Format	Color
RYB	76, 0, 49
Decimal	4980785
CIELab	14.00, 36.88, -8.79
CIELCh	14, 37.914, 346.591
Yxy	1.7298, 0.4238, 0.2100
Android (android.graphics.Color)	4283170865 (0xFF4C0031)
YUV	28.3100, 10.2002, 41.8241
Hunter-Lab	13.1521, 24.3527, -4.3916

Details

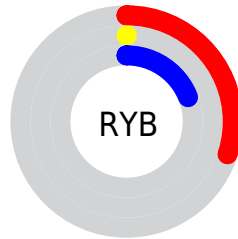
The CIELCh color **14, 37.914, 346.591** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **27, 40.089, 145.302**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 37.927, 346.577**, and **2, 8.359, 16.640** is the 20% darker color. If you saturate the color by 10%, you get **14, 37.757, 346.651**, and if you desaturate by 10%, it is **15, 35.610, 345.242**.

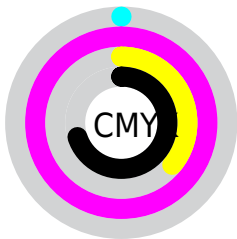
Distribution



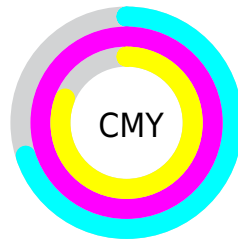
- Red (30%)
- Green (0%)
- Blue (19%)



- Red (30%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (70%)





- Cyan (70%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 37.914, 346.591 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 14, 37.914, 346.591 by changing the saturation by 10% instead.

 14, 37.914,
346.591


 14, 37.914,
346.591


 100, 37.914,
346.591


 4, 37.914, 346.591


 34, 37.914,
346.591

 0, 37.914, 346.591

 44, 37.914,
346.591


 54, 37.914,
346.591


 64, 37.914,
346.591


 74, 37.914,
346.591


 84, 37.914,


346.591


 94, 37.914,
346.591

 14, 37.914,
346.591


 14, 37.914,
346.591


 14, 37.757,
346.651

 15, 35.610,
345.242

 16, 33.481,
343.758

 18, 30.565,
342.484

 19, 26.966,
341.383

 21, 22.871,
340.410

■ 23, 18.457,
339.532

■ 25, 13.869,
338.728

■ 27, 9.216, 337.981

■ 30, 4.578, 337.271

Harmonies

Complementary

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



14, 37.914, 346.591



27, 40.089, 145.302

Rectangle

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



14, 37.914, 346.591



14, 37.914, 36.591



14, 37.914, 166.591



14, 37.914, 216.591

Sweetspot

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



14, 37.757, 346.651



33, 17.407, 338.819



7, 52.461, 309.864



15, 11.973, 339.000



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



14, 37.757, 346.651



20, 45.269, 347.631



13, 37.088, 24.787



14, 2.577, 337.176



21, 46.054, 347.713



51, 82.231, 349.657

Inverse Universe

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



14, 37.757, 346.651



20, 45.269, 347.631



28, 23.827, 177.834



14, 2.577, 337.176



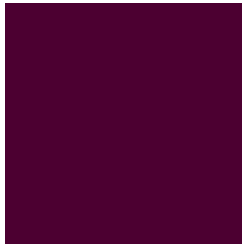
21, 46.054, 347.713



51, 82.231, 349.657

Previews

White Background



This preview shows how the CIELCh color 14, 37.914, 346.591 looks on a white background.

Color Contrast Check

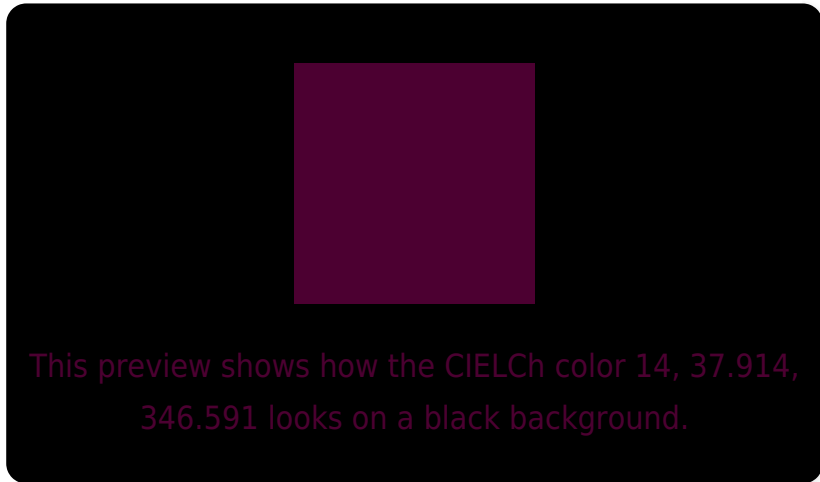
Large Text (above 18pt) WCAG AA ✓ Pass

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

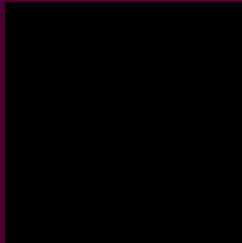
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 37.914, 346.591

Background



This preview shows how black text looks on a background with the CIELCh color 14, 37.914, 346.591.



This preview shows how white text looks on a background with the CIELCh color 14, 37.914, 346.591.

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

14, 37.914, 346.591

Protanopia

16, 21.825, 285.264

Deuteranopia

16, 4.453, 309.547



Tritanopia
15, 29.571, 28.120

Trichromacy



Original Color
14, 37.914, 346.591

Protanomaly
13, 27.288, 312.943

Deuteranomaly
14, 19.530, 336.686

Tritanomaly
15, 30.850, 11.051

Monochromacy



Original Color
14, 37.914, 346.591

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.913, 339.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 37.914, 346.591 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(76, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 49)  
}
```

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(76, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 37.914, 346.591 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(76, 0, 49) }
```

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

```
.border{ border-color:rgb(76, 0, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 0, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 0, 49); box-shadow:4px  
4px 4px 4px rgb(76, 0, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 37.914, 346.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 0, 49) }
```

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

```
.background{ background-color: rgb(76, 0,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor