

Converting Colors

CIELCh(8, 61.209, 335.409)

Have a look what the booklet for
CIELCh(8, 61.209, 335.409) contains.

CIELCh(14, 40.499, 336.678)	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, 40.499, 336.678)

Conversions

Conversions Part 1

Format	Color
Hex	49013B
RGB	73, 1, 59
RGB Percent	29%, 0%, 23%
CMY	0.7150, 0.9974, 0.7702
CMYK	0.00, 0.99, 0.19, 0.71
HSL	312°, 98%, 14%
HSV	312°, 99%, 29%
XYZ	3.5097, 1.7298, 4.2339
YIQ	29.1400, 24.2940, 33.3020

Conversions

Conversions Part 2

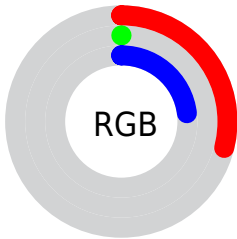
Format	Color
R_{YB}	73, 1, 59
Decimal	4784443
CIE _{Lab}	14.00, 37.19, -16.03
CIE _{LCh}	14, 40.499, 336.678
Yxy	1.7298, 0.3705, 0.1826
Android (android.graphics.Color)	4282974523 (0xFF49013B)
YUV	29.1400, 14.7210, 38.4652
Hunter-Lab	13.1521, 24.6179, -9.8802

Details

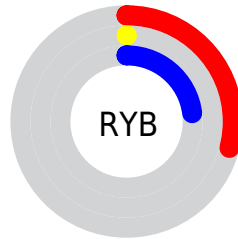
The CIELCh color **14, 40.499, 336.678** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 43.356, 140.467**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 40.072, 336.700**, and **2, 9.401, 336.947** is the 20% darker color. If you saturate the color by 10%, you get **14, 40.722, 336.738**, and if you desaturate by 10%, it is **15, 38.141, 335.976**.

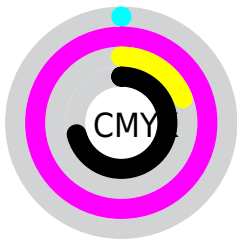
Distribution



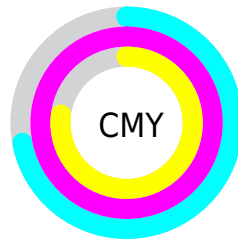
- Red (29%)
- Green (0%)
- Blue (23%)



- Red (29%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (99%)
- Yellow (19%)
- Black (71%)





- Cyan (72%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 40.499, 336.678 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, 40.499, 336.678 by changing the saturation by 10% instead.

 14, 40.499,
336.678

 14, 40.499,
336.678

 100, 40.499,
336.678

 4, 40.499, 336.678

 34, 40.499,
336.678

 0, 40.499, 336.678

 44, 40.499,
336.678


 54, 40.499,
336.678


 64, 40.499,
336.678


 74, 40.499,
336.678


 84, 40.499,


336.678


 94, 40.499,
336.678


 14, 40.499,
336.678


 14, 40.499,
336.678


 14, 40.722,
336.738

 15, 38.141,
335.976

 16, 35.735,
335.237

 17, 32.527,
334.542

 19, 28.630,
333.879

 21, 24.226,
333.239

■ 22, 19.485,
332.618

■ 24, 14.551,
332.011

■ 27, 9.536, 331.419

■ 29, 4.521, 330.834

Harmonies

Complementary

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



14, 40.499, 336.678



26, 43.356, 140.467

Rectangle

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



14, 40.499, 336.678



14, 40.499, 26.678



14, 40.499, 156.678



14, 40.499, 206.678

Sweetspot

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



14, 40.498, 336.678



32, 18.619, 332.135



5, 50.656, 306.661



14, 12.804, 332.264



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



14, 40.498, 336.678



20, 48.431, 337.135



12, 34.119, 13.010



13, 2.726, 330.802



21, 50.199, 337.207



52, 90.759, 338.028

Inverse Universe

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



14, 40.498, 336.678



20, 48.431, 337.135



27, 27.861, 163.141



13, 2.726, 330.802



21, 50.199, 337.207



52, 90.759, 338.028

Previews

White Background



This preview shows how the CIELCh color 14, 40.499, 336.678 looks on a white background.

Color Contrast Check

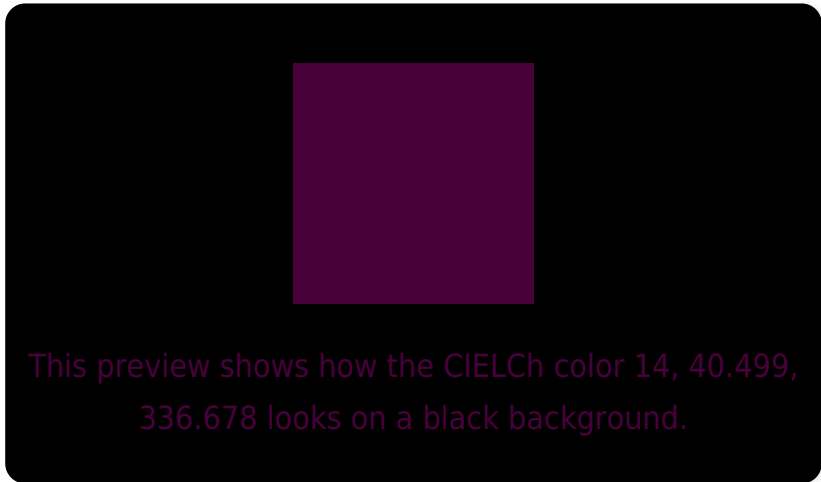
Large Text (above 18pt) WCAG AA ✓ Pass

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

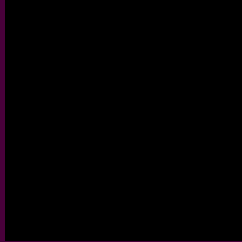
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 40.499, 336.678

Background



This preview shows how black text looks on a background with the CIELCh color 14, 40.499, 336.678.



This preview shows how white text looks on a background with the CIELCh color 14, 40.499, 336.678.

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, 40.523, 336.609

Protanopia

15, 31.234, 283.373

Deuteranopia

16, 11.294, 284.805



Tritanopia
15, 25.217, 25.937

Trichromacy



Original Color
14, 40.523, 336.609

Protanomaly
12, 35.194, 300.440

Deuteranomaly
13, 23.925, 320.029

Tritanomaly
14, 28.414, 0.702

Monochromacy



Original Color
14, 40.523, 336.609

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 19.000, 333.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 40.499, 336.678 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, 1, 59)` looks like.

```
.text, #text, p{  
    color:rgb(73, 1, 59)  
}
```

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, 1, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 1, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 40.499, 336.678 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, 1, 59) }
```

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

```
.border{ border-color:rgb(73, 1, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 1, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 1, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 1, 59); box-shadow:4px  
4px 4px 4px rgb(73, 1, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 40.499, 336.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 1, 59) }
```

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

```
.background{ background-color: rgb(73, 1,  
59) }
```

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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