

Converting Colors

CIELCh(9, 60.538, 333.879)

Have a look what the booklet for
CIELCh(9, 60.538, 333.879) contains.

CIELCh(14, 42.119, 334.506)	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, 42.119, 334.506)

Conversions

Conversions Part 1

Format	Color
Hex	49003E
RGB	73, 0, 62
RGB Percent	29%, 0%, 24%
CMY	0.7157, 1.0000, 0.7586
CMYK	0.00, 1.00, 0.15, 0.72
HSL	309°, 100%, 14%
HSV	309°, 100%, 28%
XYZ	3.5623, 1.7298, 4.6390
YIQ	28.8950, 23.6060, 34.7580

Conversions

Conversions Part 2

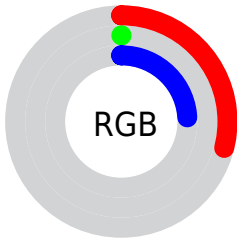
Format	Color
RYB	73, 0, 62
Decimal	4784190
CIELab	14.00, 38.02, -18.13
CIELCh	14, 42.119, 334.506
Yxy	1.7298, 0.3587, 0.1742
Android (android.graphics.Color)	4282974270 (0xFF49003E)
YUV	28.8950, 16.3208, 38.6801
Hunter-Lab	13.1521, 25.3319, -11.7062

Details

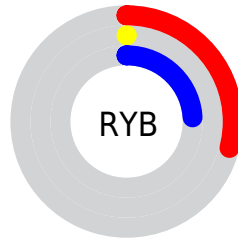
The CIELCh color **14, 42.119, 334.506** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 44.619, 139.355**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 42.240, 334.161**, and **2, 10.630, 330.295** is the 20% darker color. If you saturate the color by 10%, you get **14, 41.920, 334.519**, and if you desaturate by 10%, it is **15, 39.456, 333.962**.

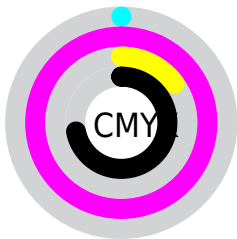
Distribution



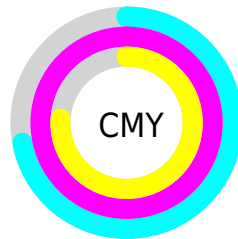
- Red (29%)
- Green (0%)
- Blue (24%)



- Red (29%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (72%)




- Cyan (72%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 14, 42.119, 334.506 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, 42.119, 334.506 by changing the saturation by 10% instead.

 14, 42.119,
334.506

 14, 42.119,
334.506

 100, 42.119,
334.506

 4, 42.119, 334.506

 34, 42.119,
334.506

 0, 42.119, 334.506

 44, 42.119,
334.506

 54, 42.119,
334.506


 64, 42.119,
334.506


 74, 42.119,
334.506


 84, 42.119,


334.506


 94, 42.119,
334.506


 14, 42.119,
334.506


 14, 42.119,
334.506


 14, 41.920,
334.519

 15, 39.456,
333.962

 16, 37.004,
333.371

 17, 33.768,
332.790

 19, 29.819,
332.215

 20, 25.336,
331.643

■ 22, 20.492,
331.072

■ 24, 15.435,
330.505

■ 26, 10.282,
329.943

■ 29, 5.118, 329.384

Harmonies

Complementary

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



14, 42.119, 334.506



26, 44.619, 139.355

Rectangle

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



14, 42.119, 334.506



14, 42.119, 24.506



14, 42.119, 154.506



14, 42.119, 204.506

Sweetspot

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



14, 41.920, 334.519



32, 19.197, 330.571



5, 50.929, 306.211



14, 13.200, 330.693



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, 41.920, 334.519



20, 49.985, 334.803



12, 34.152, 10.309



13, 2.813, 329.302



21, 51.821, 334.854



52, 93.887, 335.435

Inverse Universe

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



14, 41.920, 334.519



20, 49.985, 334.803



26, 29.067, 160.644



13, 2.813, 329.302



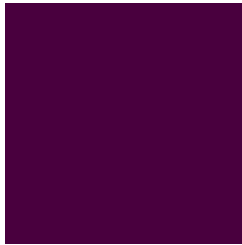
21, 51.821, 334.854



52, 93.887, 335.435

Previews

White Background



This preview shows how the CIE LCh color 14, 42.119, 334.506 looks on a white background.

Color Contrast Check

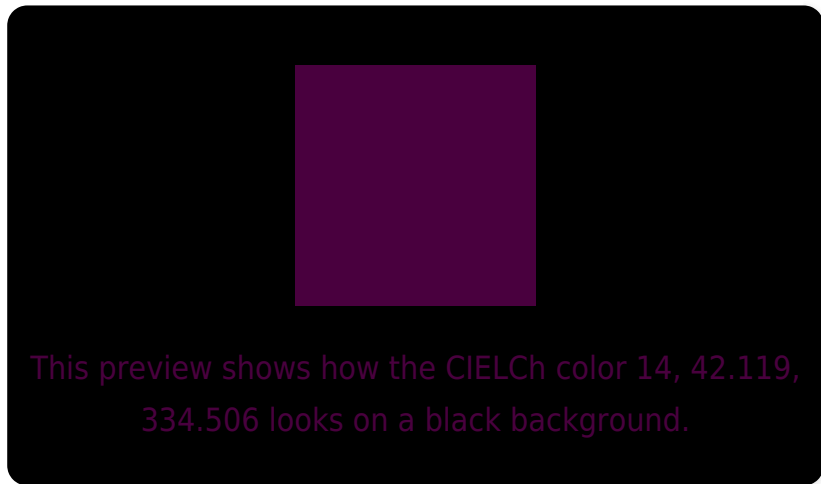
Large Text (above 18pt) WCAG AA ✓ Pass

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

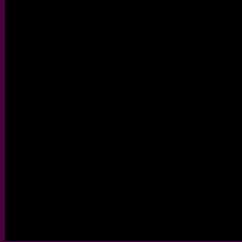
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 42.119, 334.506

Background



This preview shows how black text looks on a background with the CIELCh color 14, 42.119, 334.506.



This preview shows how white text looks on a background with the CIELCh color 14, 42.119, 334.506.

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, 42.119, 334.506

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 12.783, 281.029



Tritanopia
15, 23.909, 23.801

Trichromacy



Original Color
14, 42.119, 334.506

Protanomaly
12, 35.765, 299.987

Deuteranomaly
13, 25.546, 316.152

Tritanomaly
14, 28.343, 357.278

Monochromacy



Original Color
14, 42.119, 334.506

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 20.253, 331.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 42.119, 334.506 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 42.119, 334.506 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, 62) }
```

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

```
.border{ border-color:rgb(73, 0, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 0, 62); box-shadow:4px  
4px 4px 4px rgb(73, 0, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 42.119, 334.506 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, 62) }
```

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

```
.background{ background-color: rgb(73, 0,  
62) }
```

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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