

Converting Colors

CIELCh(11, 51.861, 333.366)

Have a look what the booklet for
CIELCh(11, 51.861, 333.366)
contains.

CIELCh(14, 42.059, 333.356)	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, 42.059, 333.356)

Conversions

Conversions Part 1

Format	Color
Hex	48013F
RGB	72, 1, 63
RGB Percent	28%, 0%, 25%
CMY	0.7192, 0.9977, 0.7547
CMYK	0.00, 0.99, 0.13, 0.72
HSL	308°, 98%, 14%
HSV	308°, 99%, 28%
XYZ	3.5353, 1.7298, 4.7864
YIQ	29.2970, 22.4140, 34.3340

Conversions

Conversions Part 2

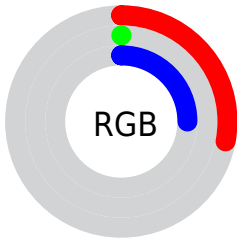
Format	Color
R_{YB}	72, 1, 63
Decimal	4718911
CIE Lab	14.00, 37.59, -18.86
CIE LCh	14, 42.059, 333.356
Yxy	1.7298, 0.3517, 0.1721
Android (android.graphics.Color)	4282908991 (0xFF48013F)
YUV	29.2970, 16.6156, 37.4505
Hunter-Lab	13.1521, 24.9644, -12.3710

Details

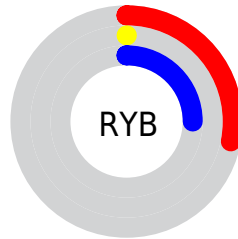
The CIELCh color **14, 42.059, 333.356** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 44.513, 138.937**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 41.876, 333.140**, and **2, 10.825, 326.352** is the 20% darker color. If you saturate the color by 10%, you get **14, 42.277, 333.395**, and if you desaturate by 10%, it is **15, 39.551, 332.865**.

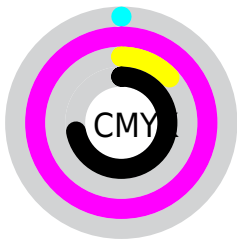
Distribution



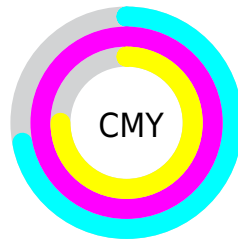
- Red (28%)
- Green (0%)
- Blue (25%)



- Red (28%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (13%)
- Black (72%)





- Cyan (72%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 42.059, 333.356 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, 42.059, 333.356 by changing the saturation by 10% instead.

 14, 42.059,
333.356

 14, 42.059,
333.356


 100, 42.059,
333.356


 4, 42.059, 333.356


 34, 42.059,
333.356

 0, 42.059, 333.356

 44, 42.059,
333.356

 54, 42.059,
333.356


 64, 42.059,
333.356

 74, 42.059,
333.356


 84, 42.059,


333.356


 94, 42.059,
333.356


 14, 42.059,
333.356


 14, 42.059,
333.356


 14, 42.277,
333.395

 15, 39.551,
332.865

 16, 37.006,
332.347

 17, 33.669,
331.823

 19, 29.639,
331.293

 20, 25.092,
330.754

■ 22, 20.198,
330.210

■ 24, 15.101,
329.663

■ 26, 9.914, 329.118

■ 28, 4.721, 328.570

Harmonies

Complementary

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



14, 42.059, 333.356



26, 44.513, 138.937

Rectangle

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



14, 42.059, 333.356



14, 42.059, 23.356



14, 42.059, 153.356



14, 42.059, 203.356

Sweetspot

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



14, 42.058, 333.356



32, 19.512, 329.776



5, 49.972, 305.579



15, 13.416, 329.894



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, 42.058, 333.356



20, 50.852, 333.636



12, 33.560, 7.080



13, 2.860, 328.537



21, 52.725, 333.677



52, 95.642, 334.143

Inverse Universe

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



14, 42.058, 333.356



20, 50.852, 333.636



26, 29.711, 158.584



13, 2.860, 328.537



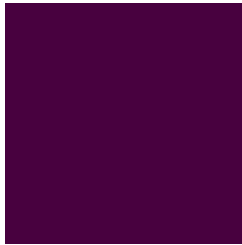
21, 52.725, 333.677



52, 95.642, 334.143

Previews

White Background



This preview shows how the CIELCh color 14, 42.059, 333.356 looks on a white background.

Color Contrast Check

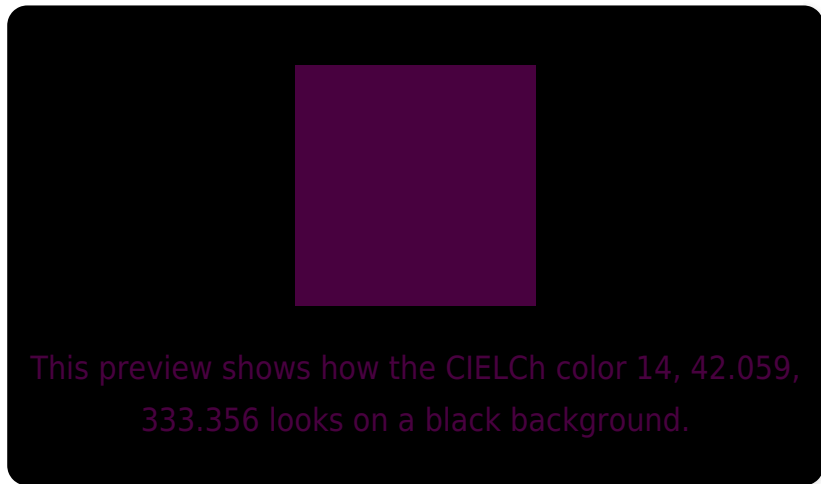
Large Text (above 18pt) WCAG AA ✓ Pass

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

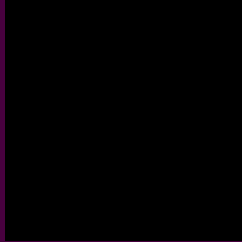
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 42.059, 333.356

Background



This preview shows how black text looks on a background with the CIELCh color 14, 42.059, 333.356.



This preview shows how white text looks on a background with the CIELCh color 14, 42.059, 333.356.

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, 42.081, 333.304

Protanopia

15, 31.234, 283.373

Deuteranopia

16, 13.521, 280.424



Tritanopia
15, 22.993, 24.828

Trichromacy



Original Color
14, 42.081, 333.304

Protanomaly
12, 36.524, 300.617

Deuteranomaly
14, 25.321, 314.292

Tritanomaly
14, 27.547, 357.012

Monochromacy



Original Color
14, 42.081, 333.304

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 19.285, 330.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 42.059, 333.356 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(72, 1, 63)` looks like.

```
.text, #text, p{  
    color:rgb(72, 1, 63)  
}
```

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(72, 1, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 1, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 42.059, 333.356 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(72, 1, 63) }
```

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

```
.border{ border-color:rgb(72, 1, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 1, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 1, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 1, 63); box-shadow:4px  
4px 4px 4px rgb(72, 1, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 42.059, 333.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 1, 63) }
```

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

```
.background{ background-color: rgb(72, 1,  
63) }
```

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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