

Converting Colors

CIELCh(14, 37.008, 333.614)

Have a look what the booklet for
CIELCh(14, 37.008, 333.614)
contains.

CIELCh(14, 36.863, 333.779)	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, 36.863, 333.779)

Conversions

Conversions Part 1

Format	Color
Hex	44093B
RGB	68, 9, 59
RGB Percent	27%, 4%, 23%
CMY	0.7339, 0.9654, 0.7692
CMYK	0.00, 0.87, 0.13, 0.73
HSL	309°, 77%, 15%
HSV	309°, 87%, 27%
XYZ	3.2556, 1.7298, 4.2817
YIQ	32.3410, 19.1140, 28.0580

Conversions

Conversions Part 2

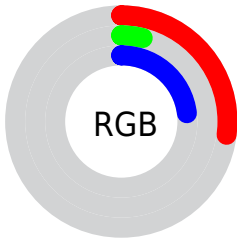
Format	Color
R_{YB}	68, 9, 59
Decimal	4458811
CIE _{Lab}	14.00, 33.07, -16.29
CIE _{LCh}	14, 36.863, 333.779
Yxy	1.7298, 0.3513, 0.1867
Android (android.graphics.Color)	4282648891 (0xFF44093B)
YUV	32.3410, 13.1429, 31.2729
Hunter-Lab	13.1521, 21.1683, -10.0956

Details

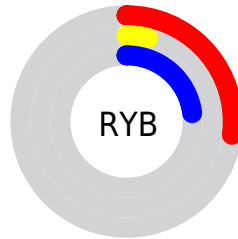
The CIELCh color **14, 36.863, 333.779** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 38.589, 140.795**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 36.584, 334.392**, and **1, 6.771, 319.909** is the 20% darker color. If you saturate the color by 10%, you get **13, 39.326, 334.337**, and if you desaturate by 10%, it is **15, 34.272, 333.194**.

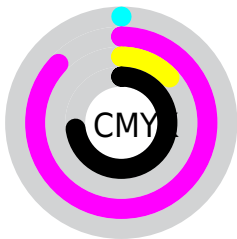
Distribution



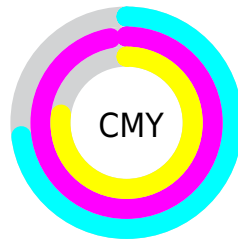
- Red (27%)
- Green (4%)
- Blue (23%)



- Red (27%)
- Yellow (4%)
- Blue (23%)



- Cyan (0%)
- Magenta (87%)
- Yellow (13%)
- Black (73%)





- Cyan (73%)
- Magenta (97%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 36.863, 333.779 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, 36.863, 333.779 by changing the saturation by 10% instead.

 14, 36.863,
333.779


 14, 36.863,
333.779


 100, 36.863,
333.779


 4, 36.863, 333.779


 34, 36.863,
333.779

 0, 36.863, 333.779

 44, 36.863,
333.779


 54, 36.863,
333.779


 64, 36.863,
333.779


 74, 36.863,
333.779


 84, 36.863,


333.779


 94, 36.863,
333.779


 14, 36.863,
333.779


 14, 36.863,
333.779

 13, 39.326,
334.337


 15, 34.272,
333.194

 13, 40.121,
334.496

 16, 30.937,
332.620

 18, 26.996,
332.051

 19, 22.617,
331.484

 21, 17.952,
330.919

■ 23, 13.129,
330.359

■ 25, 8.246, 329.805

■ 27, 3.373, 329.244

■ 29, 1.440, 148.859

Harmonies

Complementary

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



14, 36.863, 333.779



24, 38.589, 140.795

Rectangle

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



14, 36.863, 333.779



14, 36.863, 23.779



14, 36.863, 153.779



14, 36.863, 203.779

Sweetspot

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



14, 36.862, 333.779



31, 15.884, 330.366



7, 42.681, 304.920



14, 10.860, 330.452



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



14, 36.862, 333.779



19, 48.092, 334.807



13, 29.198, 6.264



12, 2.637, 329.331



21, 50.861, 334.890



51, 93.012, 335.497

Inverse Universe

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



14, 36.862, 333.779



19, 48.092, 334.807



25, 25.087, 162.759



12, 2.637, 329.331



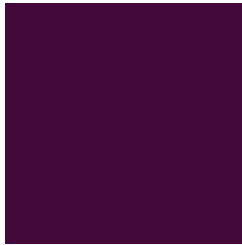
21, 50.861, 334.890



51, 93.012, 335.497

Previews

White Background



This preview shows how the CIE LCh color 14, 36.863, 333.779 looks on a white background.

Color Contrast Check

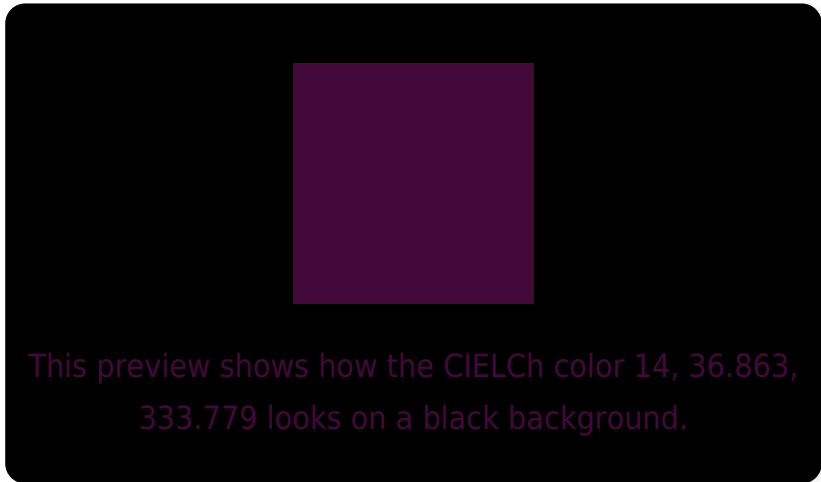
Large Text (above 18pt) WCAG AA ✓ Pass

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

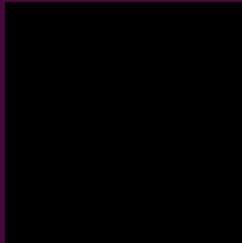
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 36.863, 333.779

Background



This preview shows how black text looks on a background with the CIELCh color 14, 36.863, 333.779.



This preview shows how white text looks on a background with the CIELCh color 14, 36.863, 333.779.

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, 36.863, 333.779

Protanopia
15, 29.368, 281.965

Deuteranopia
15, 12.195, 280.244



Tritanopia
15, 21.869, 22.854

Trichromacy



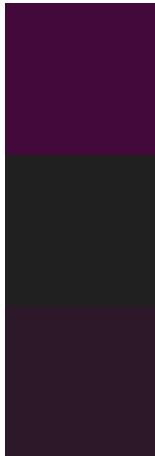
Original Color
14, 36.863, 333.779

Protanomaly
12, 31.558, 297.589

Deuteranomaly
13, 21.824, 314.019

Tritanomaly
14, 25.352, 357.271

Monochromacy



Original Color
14, 36.863, 333.779

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 16.076, 330.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 36.863, 333.779 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(68, 9, 59)` looks like.

```
.text, #text, p{  
    color:rgb(68, 9, 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(68, 9, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 9, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 36.863, 333.779 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(68, 9, 59) }
```

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

```
.border{ border-color:rgb(68, 9, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 9, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 9, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 9, 59); box-shadow:4px  
4px 4px 4px rgb(68, 9, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 36.863, 333.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 9, 59) }
```

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

```
.background{ background-color: rgb(68, 9,  
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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