

Converting Colors

CIELCh(8, 53.381, 358.032)

Have a look what the booklet for
CIELCh(8, 53.381, 358.032) contains.

CIELCh(14, 35.870, 10.171)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(14, 35.870, 10.171)

Conversions

Conversions Part 1

Format	Color
Hex	4E001C
RGB	78, 0, 28
RGB Percent	31%, 0%, 11%
CMY	0.6925, 0.9986, 0.8890
CMYK	0.00, 1.00, 0.64, 0.69
HSL	339°, 99%, 15%
HSV	339°, 100%, 31%
XYZ	3.3920, 1.7298, 1.2728
YIQ	26.5140, 37.5000, 25.2440

Conversions

Conversions Part 2

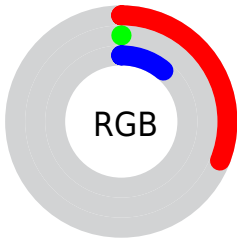
Format	Color
RYB	78, 0, 28
Decimal	5111836
CIELab	14.00, 35.31, 6.33
CIELCh	14, 35.870, 10.171
Yxy	1.7298, 0.5304, 0.2705
Android (android.graphics.Color)	4283301916 (0xFF4E001C)
YUV	26.5140, 0.7326, 45.1532
Hunter-Lab	13.1521, 23.0194, 3.4688

Details

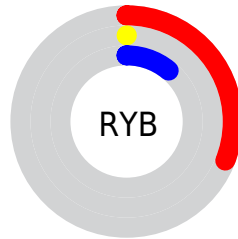
The CIELCh color **14, 35.870, 10.171** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 30.970, 159.864**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 35.808, 10.517**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.001, 10.301**, and if you desaturate by 10%, it is **15, 33.247, 7.145**.

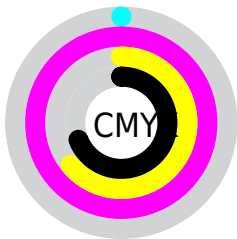
Distribution



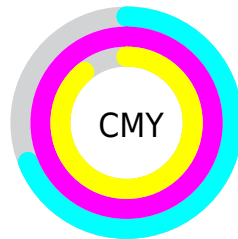
- Red (31%)
- Green (0%)
- Blue (11%)



- Red (31%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (69%)



- Cyan (69%)
- Magenta (100%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 35.870, 10.171 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, 35.870, 10.171 by changing the saturation by 10% instead.

 14, 35.870, 10.171

 14, 35.870, 10.171

 100, 35.870,
10.171

 4, 35.870, 10.171

 34, 35.870, 10.171

 0, 35.870, 10.171

 44, 35.870, 10.171

 54, 35.870, 10.171

 64, 35.870, 10.171

 74, 35.870, 10.171

 84, 35.870, 10.171

 94, 35.870, 10.171

■ 14, 35.870, 10.171

■ 14, 35.870, 10.171

■ 14, 36.001, 10.301

■ 15, 33.247, 7.145

■ 16, 30.730, 3.954

■ 18, 27.621, 1.357

■ 20, 24.023,
359.254

■ 22, 20.101,
357.526

■ 24, 16.006,
356.081

■ 26, 11.859,
354.848

■ 28, 7.747, 353.773

■ 31, 3.724, 352.805

Harmonies

Complementary

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



14, 35.870, 10.171



29, 30.970, 159.864

Rectangle

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



14, 35.870, 10.171



14, 35.870, 60.171



14, 35.870, 190.171



14, 35.870, 240.171

Sweetspot

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



14, 35.868, 10.173



34, 14.999, 355.028



11, 51.072, 316.283



15, 10.125, 355.289



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, 35.868, 10.173



20, 43.335, 12.371



15, 37.819, 36.850



14, 2.133, 352.718



49, 79.354, 16.564

Inverse Universe

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



14, 35.868, 10.173



20, 43.335, 12.371



26, 18.690, 218.576



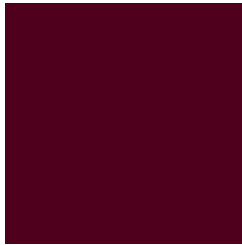
14, 2.133, 352.718



49, 79.354, 16.564

Previews

White Background



This preview shows how the CIELCh color 14, 35.870, 10.171 looks on a white background.

Color Contrast Check

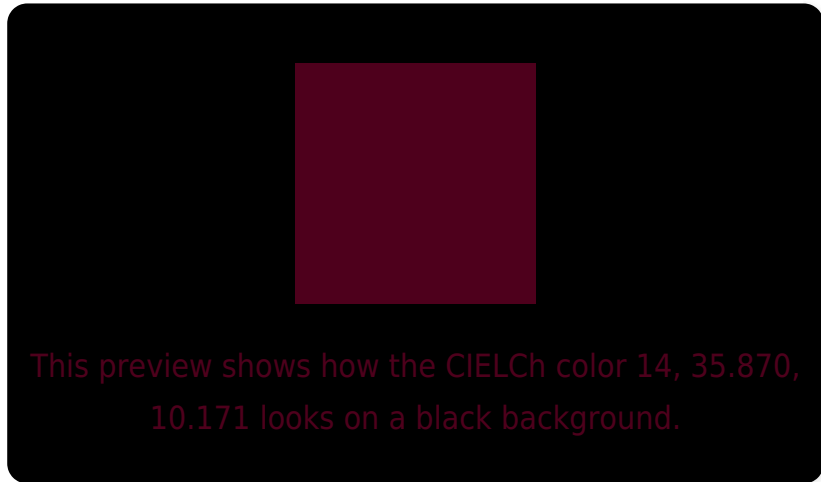
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.870, 10.171

Background



This preview shows how black text looks on a background with the CIELCh color 14, 35.870, 10.171.



This preview shows how white text looks on a background with the CIELCh color 14, 35.870, 10.171.

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, 35.870, 10.171

Protanopia

16, 1.402, 290.567

Deuteranopia

16, 10.975, 74.514



Tritanopia
15, 35.755, 31.728

Trichromacy



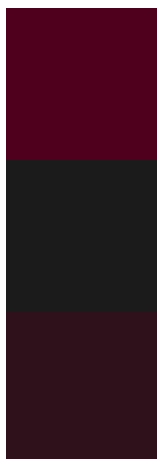
Original Color
14, 35.870, 10.171

Protanomaly
14, 15.623, 354.981

Deuteranomaly
14, 19.281, 21.531

Tritanomaly
14, 35.371, 24.842

Monochromacy



Original Color
14, 35.870, 10.171

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 16.245, 359.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 35.870, 10.171 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(78, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(78, 0, 28)  
}
```

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(78, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 35.870, 10.171 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(78, 0, 28) }
```

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

```
.border{ border-color:rgb(78, 0, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 0, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 0, 28); box-shadow:4px  
4px 4px 4px rgb(78, 0, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 35.870, 10.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 0, 28) }
```

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

```
.background{ background-color: rgb(78, 0,  
28) }
```

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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