

Converting Colors

CIELCh(0, 81.801, 349.174)

Have a look what the booklet for
CIELCh(0, 81.801, 349.174) contains.

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Color

CIELCh(14, 35.799, 7.896)

Conversions

Conversions Part 1

Format	Color
Hex	4E001E
RGB	78, 0, 30
RGB Percent	31%, 0%, 12%
CMY	0.6931, 0.9991, 0.8816
CMYK	0.00, 1.00, 0.61, 0.69
HSL	337°, 99%, 15%
HSV	337°, 100%, 31%
XYZ	3.4014, 1.7298, 1.3957
YIQ	26.7420, 36.8580, 25.8660

Conversions

Conversions Part 2

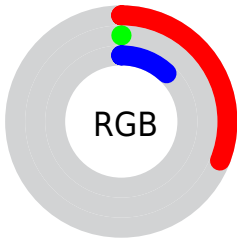
Format	Color
RYB	78, 0, 30
Decimal	5111838
CIELab	14.00, 35.46, 4.92
CIElCh	14, 35.799, 7.896
Yxy	1.7298, 0.5211, 0.2650
Android (android.graphics.Color)	4283301918 (0xFF4E001E)
YUV	26.7420, 1.6062, 44.9533
Hunter-Lab	13.1521, 23.1481, 2.9148

Details

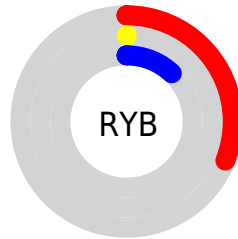
The CIELCh color **14, 35.799, 7.896** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 31.878, 158.125**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 35.825, 8.546**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 35.878, 7.976**, and if you desaturate by 10%, it is **15, 33.275, 4.997**.

Distribution



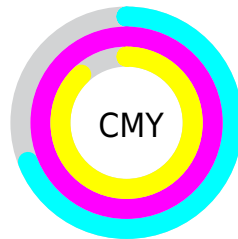
- Red (31%)
- Green (0%)
- Blue (12%)



- Red (31%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (69%)



- Cyan (69%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 35.799, 7.896 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, 35.799, 7.896 by changing the saturation by 10% instead.

 14, 35.799, 7.896  14, 35.799, 7.896

 100, 35.799, 7.896  4, 35.799, 7.896

 34, 35.799, 7.896  0, 35.799, 7.896

 44, 35.799, 7.896

 54, 35.799, 7.896

 64, 35.799, 7.896

 74, 35.799, 7.896

 84, 35.799, 7.896

 94, 35.799, 7.896

 14, 35.799, 7.896  14, 35.799, 7.896

■ 14, 35.878, 7.976

■ 15, 33.275, 4.997

■ 16, 30.851, 1.939

■ 18, 27.808,
359.446

■ 19, 24.247,
357.423

■ 21, 20.337,
355.756

■ 24, 16.234,
354.354

■ 26, 12.063,
353.153

■ 28, 7.913, 352.102

■ 31, 3.843, 351.151

Harmonies

Complementary

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



14, 35.799, 7.896



29, 31.878, 158.125

Rectangle

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



14, 35.799, 7.896



14, 35.799, 57.896



14, 35.799, 187.896



14, 35.799, 237.896

Sweetspot

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



14, 35.797, 7.898



34, 15.189, 353.311



10, 51.384, 315.388



15, 10.250, 353.565



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, 35.797, 7.898



20, 43.166, 9.982



14, 38.271, 35.547



14, 2.165, 351.051



49, 78.732, 14.045

Inverse Universe

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



14, 35.797, 7.898



20, 43.166, 9.982



27, 19.074, 212.418



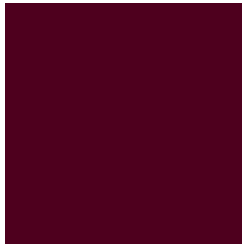
14, 2.165, 351.051



49, 78.732, 14.045

Previews

White Background



This preview shows how the CIELCh color 14, 35.799, 7.896 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

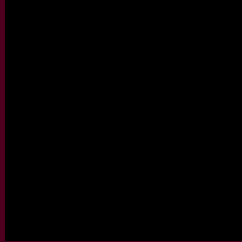
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 35.799, 7.896

Background



This preview shows how black text looks on a background with the CIELCh color 14, 35.799, 7.896.



This preview shows how white text looks on a background with the CIELCh color 14, 35.799, 7.896.

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, 35.799, 7.896

Protanopia

16, 2.802, 290.929

Deuteranopia

16, 9.462, 73.342



Tritanopia
15, 35.357, 31.674

Trichromacy



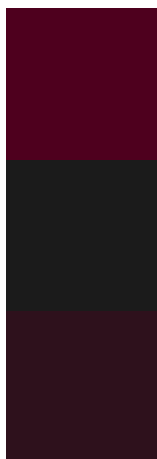
Original Color
14, 35.799, 7.896

Protanomaly
14, 16.151, 350.335

Deuteranomaly
14, 18.536, 16.980

Tritanomaly
15, 34.934, 24.424

Monochromacy



Original Color
14, 35.799, 7.896

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 16.425, 357.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 35.799, 7.896 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(78, 0, 30)  
}
```


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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 35.799, 7.896 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, 30) }
```

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

```
.border{ border-color:rgb(78, 0, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 0, 30); box-shadow:4px  
4px 4px 4px rgb(78, 0, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 35.799, 7.896 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, 30) }
```

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

```
.background{ background-color: rgb(78, 0,  
30) }
```

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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