

Converting Colors

CIELCh(14, 36.910, 17.633)

Have a look what the booklet for
CIELCh(14, 36.910, 17.633) contains.

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Color

CIELCh(14, 36.850, 17.329)

Conversions

Conversions Part 1

Format	Color
Hex	4F0016
RGB	79, 0, 22
RGB Percent	31%, 0%, 9%
CMY	0.6896, 0.9995, 0.9133
CMYK	0.00, 1.00, 0.72, 0.69
HSL	343°, 100%, 16%
HSV	343°, 100%, 31%
XYZ	3.3840, 1.7298, 0.9202
YIQ	26.1290, 40.0220, 23.5900

Conversions

Conversions Part 2

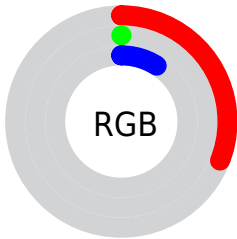
Format	Color
RYB	79, 0, 22
Decimal	5177366
CIELab	14.00, 35.18, 10.98
CIELCh	14, 36.850, 17.329
Yxy	1.7298, 0.5608, 0.2867
Android (android.graphics.Color)	4283367446 (0xFF4F0016)
YUV	26.1290, -2.0356, 46.3679
Hunter-Lab	13.1521, 22.9113, 5.0582

Details

The CIELCh color **14, 36.850, 17.329** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 28.500, 165.728**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 36.569, 17.599**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.904, 17.378**, and if you desaturate by 10%, it is **15, 33.824, 14.060**.

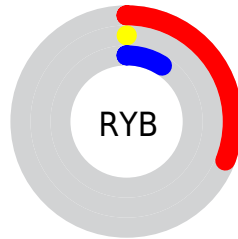
Distribution



Red (31%)

Green (0%)

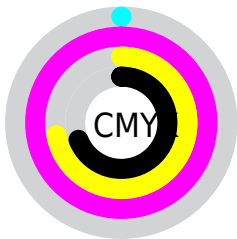
Blue (9%)



Red (31%)

Yellow (0%)

Blue (9%)

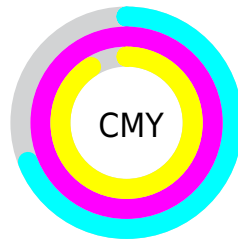


Cyan (0%)

Magenta (100%)

Yellow (72%)

Black (69%)



Cyan (69%)

Magenta (100%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 36.850, 17.329 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, 36.850, 17.329 by changing the saturation by 10% instead.

 14, 36.850, 17.329

 14, 36.850, 17.329

 100, 36.850,
17.329

 4, 36.850, 17.329

 34, 36.850, 17.329

 0, 36.850, 17.329

 44, 36.850, 17.329

 54, 36.850, 17.329

 64, 36.850, 17.329

 74, 36.850, 17.329

 84, 36.850, 17.329

 94, 36.850, 17.329

■ 14, 36.850, 17.329

■ 14, 36.850, 17.329

■ 14, 36.904, 17.378

■ 15, 33.824, 14.060

■ 16, 30.976, 10.505

■ 18, 27.640, 7.591

■ 20, 23.900, 5.240

■ 22, 19.904, 3.327

■ 24, 15.793, 1.749

■ 26, 11.677, 0.422

■ 29, 7.634, 359.284

■ 31, 3.713, 358.274

Harmonies

Complementary

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



14, 36.850, 17.329



29, 28.500, 165.728

Rectangle

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



14, 36.850, 17.329



14, 36.850, 67.329



14, 36.850, 197.329



14, 36.850, 247.329

Sweetspot

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



14, 36.848, 17.331



34, 14.512, 0.573



12, 50.828, 318.691



15, 9.806, 0.851



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, 36.848, 17.331



20, 44.395, 19.542



16, 36.980, 40.872



15, 2.161, 358.169



20, 45.214, 19.727



49, 83.031, 23.976

Inverse Universe

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



14, 36.848, 17.331



20, 44.395, 19.542



24, 18.777, 235.094



15, 2.161, 358.169



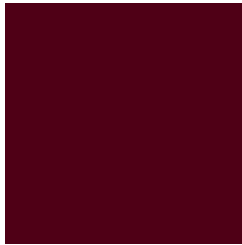
20, 45.214, 19.727



49, 83.031, 23.976

Previews

White Background



This preview shows how the CIELCh color 14, 36.850, 17.329 looks on a white background.

Color Contrast Check

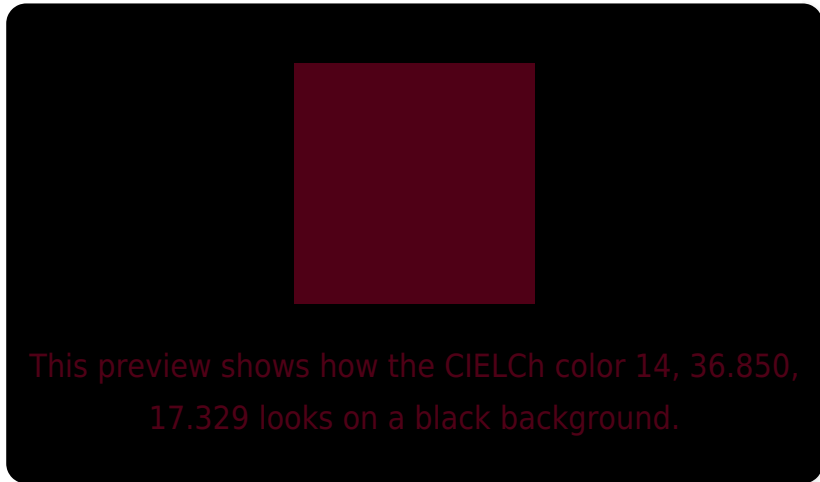
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.850, 17.329

Background



This preview shows how black text looks on a background with the CIELCh color 14, 36.850, 17.329.



This preview shows how white text looks on a background with the CIELCh color 14, 36.850, 17.329.

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, 36.850, 17.329

Protanopia

16, 5.111, 91.371

Deuteranopia

16, 15.469, 80.424



Tritanopia
15, 37.170, 32.579

Trichromacy



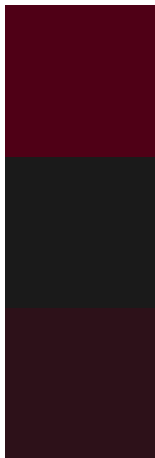
Original Color
14, 36.850, 17.329

Protanomaly
14, 15.896, 16.884

Deuteranomaly
14, 21.399, 34.315

Tritanomaly
15, 36.964, 28.338

Monochromacy



Original Color
14, 36.850, 17.329

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 15.521, 3.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 36.850, 17.329 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(79, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 22)  
}
```

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(79, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 36.850, 17.329 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(79, 0, 22) }
```

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

```
.border{ border-color:rgb(79, 0, 22) }
```

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

Here you see how a box with a 4 pixel rgb(79, 0, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 0, 22); box-shadow:4px  
4px 4px 4px rgb(79, 0, 22) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 36.850, 17.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 22) }
```

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

```
.background{ background-color: rgb(79, 0,  
22) }
```

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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