

Converting Colors

CIELCh(14, 38.417, 33.400)

Have a look what the booklet for
CIELCh(14, 38.417, 33.400) contains.

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Color

CIELCh(14, 38.422, 33.094)

Conversions

Conversions Part 1

Format	Color
Hex	4E0502
RGB	78, 5, 2
RGB Percent	31%, 2%, 1%
CMY	0.6943, 0.9805, 0.9924
CMYK	0.00, 0.94, 0.98, 0.69
HSL	2°, 95%, 16%
HSV	2°, 98%, 31%
XYZ	3.2029, 1.7298, 0.2209
YIQ	26.4850, 44.4710, 14.5430

Conversions

Conversions Part 2

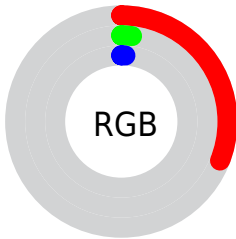
Format	Color
R_{YB}	78, 5, 2
Decimal	5113090
CIE Lab	14.00, 32.19, 20.98
CIE LCh	14, 38.422, 33.094
Yxy	1.7298, 0.6215, 0.3356
Android (android.graphics.Color)	4283303170 (0xFF4E0502)
YUV	26.4850, -12.0711, 45.1787
Hunter-Lab	13.1521, 20.4533, 8.2108

Details

The CIELCh color **14, 38.422, 33.094** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **28, 20.015, 202.207**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 38.829, 33.275**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 39.172, 33.163**, and if you desaturate by 10%, it is **15, 35.463, 32.650**.

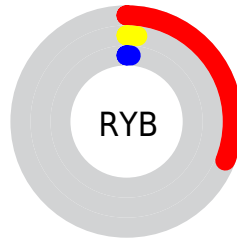
Distribution



Red (31%)

Green (2%)

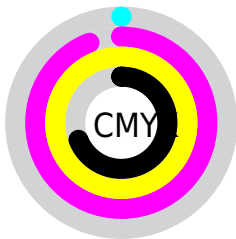
Blue (1%)



Red (31%)

Yellow (2%)

Blue (1%)

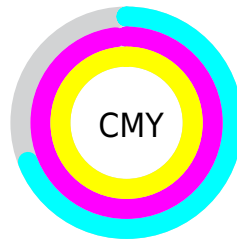


Cyan (0%)

Magenta (94%)

Yellow (98%)

Black (69%)



Cyan (69%)

Magenta (98%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 38.422, 33.094 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, 38.422, 33.094 by changing the saturation by 10% instead.

 14, 38.422, 33.094

 14, 38.422, 33.094

 100, 38.422,
33.094

 4, 38.422, 33.094

 34, 38.422, 33.094

 0, 38.422, 33.094

 44, 38.422, 33.094

 54, 38.422, 33.094

 64, 38.422, 33.094

 74, 38.422, 33.094

 84, 38.422, 33.094

 94, 38.422, 33.094

■ 14, 38.422, 33.094

■ 14, 38.422, 33.094

■ 14, 39.172, 33.163

■ 15, 35.463, 32.650

■ 16, 31.859, 31.971

■ 18, 27.327, 29.910

■ 20, 22.709, 28.004

■ 22, 18.212, 26.492

■ 24, 13.911, 25.311

■ 26, 9.850, 24.393

■ 29, 6.046, 23.673

■ 31, 2.500, 23.066

Harmonies

Complementary

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



14, 38.422, 33.094



28, 20.015, 202.207

Rectangle

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



14, 38.422, 33.094



14, 38.422, 83.094



14, 38.422, 213.094



14, 38.422, 263.094

Sweetspot

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



14, 38.421, 33.097



34, 13.090, 24.608



16, 47.143, 329.412



15, 8.942, 24.813



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, 38.421, 33.097



20, 49.907, 37.054



21, 32.536, 65.961



14, 1.837, 23.135



48, 96.068, 40.318

Inverse Universe

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



28, 20.015, 202.207



37, 24.295, 202.503



15, 28.993, 281.957



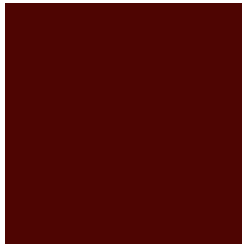
15, 1.748, 202.631



80, 43.816, 202.971

Previews

White Background



This preview shows how the CIELCh color 14, 38.422, 33.094 looks on a white background.

Color Contrast Check

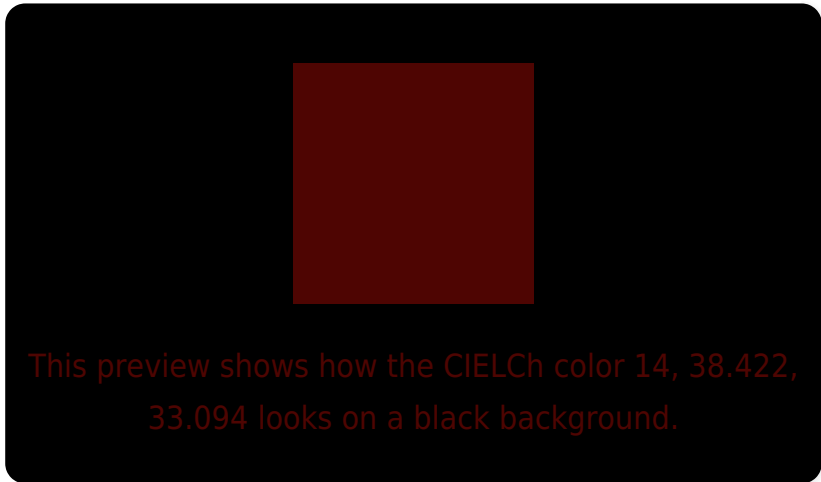
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.422, 33.094

Background



This preview shows how black text looks on a background with the CIELCh color 14, 38.422, 33.094.

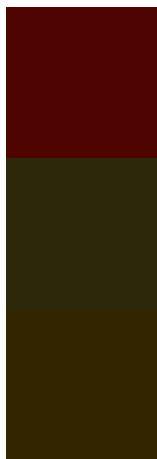


This preview shows how white text looks on a background with the CIELCh color 14, 38.422, 33.094.

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, 38.422, 33.094

Protanopia

16, 19.145, 98.540

Deuteranopia

15, 22.747, 85.569



Tritanopia
14, 38.394, 35.118

Trichromacy



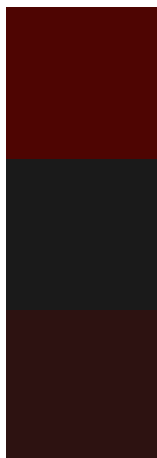
Original Color
14, 38.422, 33.094

Protanomaly
13, 21.348, 54.491

Deuteranomaly
14, 25.289, 52.622

Tritanomaly
14, 38.401, 34.108

Monochromacy



Original Color
14, 38.422, 33.094

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 15.222, 25.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 38.422, 33.094 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, 5, 2)` looks like.

```
.text, #text, p{  
    color:rgb(78, 5, 2)  
}
```


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, 5, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 5, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 38.422, 33.094 is called "border". The border property can be set on classes, ids or directly on the HTML element.

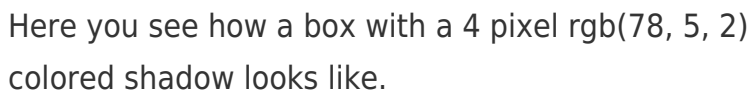
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 5, 2) }
```

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

```
.border{ border-color:rgb(78, 5, 2) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 5, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 5, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 5, 2); box-shadow:4px  
4px 4px 4px rgb(78, 5, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 38.422, 33.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 5, 2) }
```

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

```
.background{ background-color: rgb(78, 5,  
2) }
```

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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