

Converting Colors

CIELCh(0, 80.014, 3.945)

Have a look what the booklet for
CIELCh(0, 80.014, 3.945) contains.

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Color

CIELCh(14, 39.936, 29.601)

Conversions

Conversions Part 1

Format	Color
Hex	500005
RGB	80, 0, 5
RGB Percent	31%, 0%, 2%
CMY	0.6855, 0.9992, 0.9793
CMYK	0.00, 1.00, 0.93, 0.69
HSL	356°, 100%, 16%
HSV	356°, 100%, 31%
XYZ	3.3561, 1.7298, 0.3084
YIQ	24.4900, 46.0750, 18.5150

Conversions

Conversions Part 2

Format	Color
RYB	80, 0, 5
Decimal	5242885
CIELab	14.00, 34.72, 19.73
CIELCh	14, 39.936, 29.601
Yxy	1.7298, 0.6222, 0.3207
Android (android.graphics.Color)	4283432965 (0xFF500005)
YUV	24.4900, -9.6086, 48.6823
Hunter-Lab	13.1521, 22.5324, 7.8162

Details

The CIELCh color **14, 39.936, 29.601** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **30, 22.727, 187.875**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 40.176, 29.618**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 40.009, 29.606**, and if you desaturate by 10%, it is **15, 36.877, 29.144**.

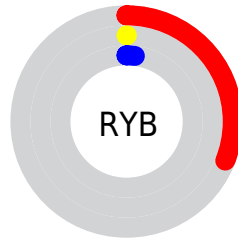
Distribution



Red (31%)

Green (0%)

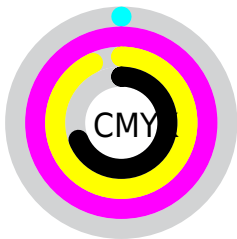
Blue (2%)



Red (31%)

Yellow (0%)

Blue (2%)

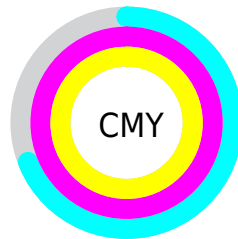


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (69%)



Cyan (69%)

Magenta (100%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 39.936, 29.601 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, 39.936, 29.601 by changing the saturation by 10% instead.

 14, 39.936, 29.601

 14, 39.936, 29.601

 100, 39.936,
29.601

 4, 39.936, 29.601

 34, 39.936, 29.601

 0, 39.936, 29.601

 44, 39.936, 29.601

 54, 39.936, 29.601

 64, 39.936, 29.601

 74, 39.936, 29.601

 84, 39.936, 29.601

 94, 39.936, 29.601

■ 14, 39.936, 29.601

■ 14, 39.936, 29.601

■ 14, 40.009, 29.606

■ 15, 36.877, 29.144

■ 16, 33.327, 27.007

■ 18, 29.002, 23.997

■ 20, 24.521, 21.512

■ 22, 20.018, 19.522

■ 24, 15.603, 17.934

■ 26, 11.350, 16.659

■ 29, 7.308, 15.620

■ 32, 3.497, 14.739

Harmonies

Complementary

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



14, 39.936, 29.601



30, 22.727, 187.875

Rectangle

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



14, 39.936, 29.601



14, 39.936, 79.601



14, 39.936, 209.601



14, 39.936, 259.601

Sweetspot

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



14, 39.934, 29.604



35, 14.301, 16.812



16, 50.025, 325.841



16, 9.907, 17.106



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



14, 39.934, 29.604



20, 50.213, 33.740



20, 34.494, 56.516



15, 2.024, 14.653



49, 94.845, 38.029

Inverse Universe

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



14, 39.934, 29.604



20, 50.213, 33.740



18, 25.236, 271.830



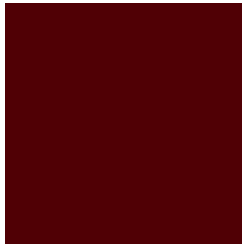
15, 2.024, 14.653



49, 94.845, 38.029

Previews

White Background



This preview shows how the CIELCh color 14, 39.936, 29.601 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

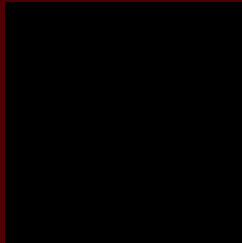
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 39.936, 29.601

Background



This preview shows how black text looks on a background with the CIELCh color 14, 39.936, 29.601.



This preview shows how white text looks on a background with the CIELCh color 14, 39.936, 29.601.

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, 39.936, 29.601

Protanopia

16, 18.444, 98.406

Deuteranopia

16, 23.344, 85.970



Tritanopia
15, 39.355, 35.410

Trichromacy



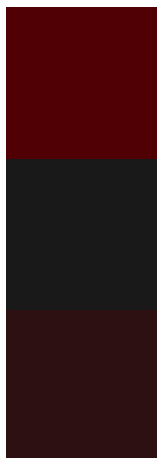
Original Color
14, 39.936, 29.601

Protanomaly
14, 21.724, 48.937

Deuteranomaly
14, 26.221, 49.515

Tritanomaly
15, 39.363, 33.469

Monochromacy



Original Color
14, 39.936, 29.601

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 16.057, 19.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 39.936, 29.601 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(80, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 5)  
}
```


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(80, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 39.936, 29.601 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(80, 0, 5) }
```

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

```
.border{ border-color:rgb(80, 0, 5) }
```

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

Here you see how a box with a 4 pixel rgb(80, 0, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 5); box-shadow:4px  
4px 4px 4px rgb(80, 0, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 39.936, 29.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 5) }
```

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

```
.background{ background-color: rgb(80, 0,  
5) }
```

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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