

Converting Colors

CIELCh(10, 50.092, 357.831)

Have a look what the booklet for
CIELCh(10, 50.092, 357.831)
contains.

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Color

CIELCh(14, 36.410, 6.737)

Conversions

Conversions Part 1

Format	Color
Hex	4F001F
RGB	79, 0, 31
RGB Percent	31%, 0%, 12%
CMY	0.6910, 1.0000, 0.8781
CMYK	0.00, 1.00, 0.61, 0.69
HSL	336°, 100%, 15%
HSV	336°, 100%, 31%
XYZ	3.4449, 1.7298, 1.4543
YIQ	27.1550, 37.1330, 26.3890

Conversions

Conversions Part 2

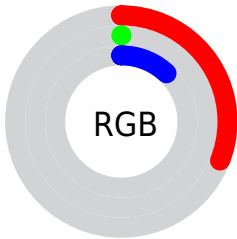
Format	Color
RYB	79, 0, 31
Decimal	5177375
CIELab	14.00, 36.16, 4.27
CIElCh	14, 36.410, 6.737
Yxy	1.7298, 0.5197, 0.2609
Android (android.graphics.Color)	4283367455 (0xFF4F001F)
YUV	27.1550, 1.8956, 45.4681
Hunter-Lab	13.1521, 23.7381, 2.6504

Details

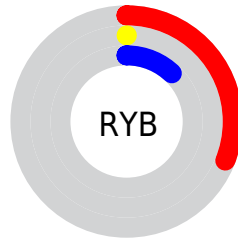
The CIELCh color **14, 36.410, 6.737** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 32.485, 157.395**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 36.247, 7.898**, and **2, 7.827, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.041, 7.111**, and if you desaturate by 10%, it is **15, 33.549, 4.251**.

Distribution



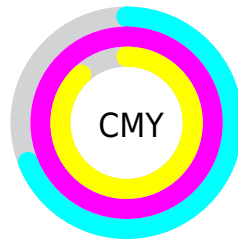
- Red (31%)
- Green (0%)
- Blue (12%)



- 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, 36.410, 6.737 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, 36.410, 6.737 by changing the saturation by 10% instead.

 14, 36.410, 6.737  14, 36.410, 6.737

 100, 36.410, 6.737  4, 36.410, 6.737

 34, 36.410, 6.737  0, 36.410, 6.737

 44, 36.410, 6.737

 54, 36.410, 6.737

 64, 36.410, 6.737

 74, 36.410, 6.737

 84, 36.410, 6.737

 94, 36.410, 6.737

 14, 36.410, 6.737  14, 36.410, 6.737

■ 14, 36.041, 7.111

■ 15, 33.549, 4.251

■ 16, 31.165, 1.228

■ 18, 28.145,
358.759

■ 20, 24.587,
356.755

■ 22, 20.663,
355.102

■ 24, 16.533,
353.711

■ 26, 12.323,
352.517

■ 29, 8.129, 351.472

■ 31, 4.010, 350.526

Harmonies

Complementary

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



14, 36.410, 6.737



29, 32.485, 157.395

Rectangle

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



14, 36.410, 6.737



14, 36.410, 56.737



14, 36.410, 186.737



14, 36.410, 236.737

Sweetspot

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



14, 36.041, 7.111



34, 15.269, 352.637



10, 51.772, 315.385



15, 10.303, 352.888



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, 36.041, 7.111



20, 43.124, 9.025



15, 38.615, 35.665



14, 2.179, 350.398



49, 78.533, 13.028

Inverse Universe

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



14, 36.041, 7.111



20, 43.124, 9.025



27, 19.186, 212.466



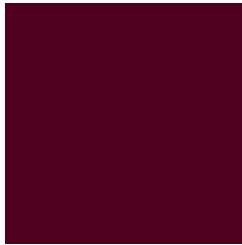
14, 2.179, 350.398



49, 78.533, 13.028

Previews

White Background



This preview shows how the CIELCh color 14, 36.410, 6.737 looks on a white background.

Color Contrast Check

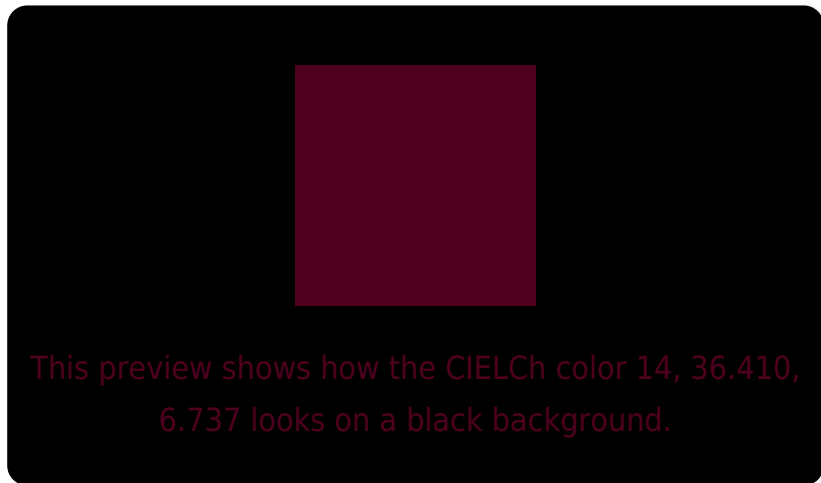
Large Text (above 18pt) WCAG AA ✓ Pass

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

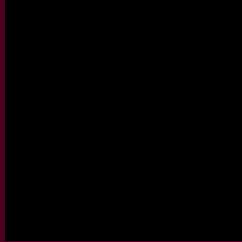
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 36.410, 6.737

Background



This preview shows how black text looks on a background with the CIELCh color 14, 36.410, 6.737.



This preview shows how white text looks on a background with the CIELCh color 14, 36.410, 6.737.

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, 36.103, 7.310

Protanopia

16, 3.501, 291.110

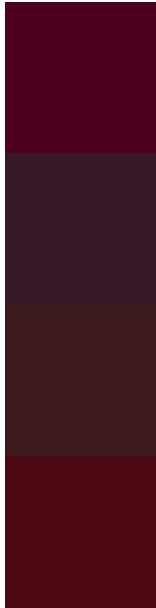
Deuteranopia

16, 9.107, 76.166



Tritanopia
15, 35.171, 31.047

Trichromacy



Original Color
14, 36.103, 7.310

Protanomaly
13, 17.180, 347.332

Deuteranomaly
14, 17.956, 16.394

Tritanomaly
15, 34.743, 23.488

Monochromacy



Original Color
14, 36.103, 7.310

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, 36.410, 6.737 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 31)  
}
```


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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 36.410, 6.737 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, 31) }
```

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

```
.border{ border-color:rgb(79, 0, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 0, 31); box-shadow:4px  
4px 4px 4px rgb(79, 0, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 36.410, 6.737 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, 31) }
```

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

```
.background{ background-color: rgb(79, 0,  
31) }
```

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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