

Converting Colors

CIELCh(5, 83.972, 43.419)

Have a look what the booklet for
CIELCh(5, 83.972, 43.419) contains.

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Color

CIELCh(14, 40.162, 31.371)

Conversions

Conversions Part 1

Format	Color
Hex	500102
RGB	80, 1, 2
RGB Percent	31%, 0%, 1%
CMY	0.6863, 0.9964, 0.9908
CMYK	0.00, 0.99, 0.97, 0.69
HSL	359°, 98%, 16%
HSV	359°, 99%, 31%
XYZ	3.3296, 1.7298, 0.2259
YIQ	24.7350, 46.7630, 17.0590

Conversions

Conversions Part 2

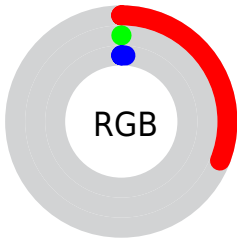
Format	Color
R_{YB}	80, 1, 2
Decimal	5243138
CIE _{Lab}	14.00, 34.29, 20.91
CIE _{LCh}	14, 40.162, 31.371
Yxy	1.7298, 0.6300, 0.3273
Android (android.graphics.Color)	4283433218 (0xFF500102)
YUV	24.7350, -11.2084, 48.4674
Hunter-Lab	13.1521, 22.1727, 8.1883

Details

The CIELCh color **14, 40.162, 31.371** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **30, 21.775, 193.917**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 40.360, 31.869**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 40.527, 31.392**, and if you desaturate by 10%, it is **15, 37.088, 30.978**.

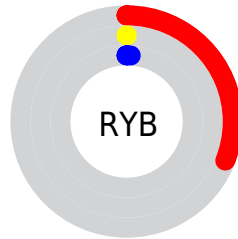
Distribution



Red (31%)

Green (0%)

Blue (1%)



Red (31%)

Yellow (0%)

Blue (1%)

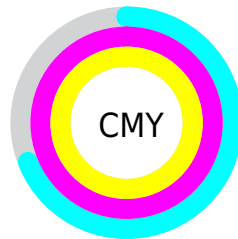


Cyan (0%)

Magenta (99%)

Yellow (97%)

Black (69%)



Cyan (69%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 40.162, 31.371 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, 40.162, 31.371 by changing the saturation by 10% instead.

 14, 40.162, 31.371

 14, 40.162, 31.371

 100, 40.162,
31.371

 4, 40.162, 31.371


 34, 40.162, 31.371


 0, 40.162, 31.371


 44, 40.162, 31.371

 54, 40.162, 31.371

 64, 40.162, 31.371

 74, 40.162, 31.371

 84, 40.162, 31.371

 94, 40.162, 31.371

■ 14, 40.162, 31.371

■ 14, 40.162, 31.371

■ 14, 40.527, 31.392

■ 15, 37.088, 30.978

■ 16, 33.570, 29.594

■ 18, 29.068, 26.947

■ 20, 24.397, 24.598

■ 22, 19.764, 22.726

■ 24, 15.269, 21.247

■ 27, 10.980, 20.076

■ 29, 6.934, 19.139

■ 32, 3.143, 18.352

Harmonies

Complementary

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



14, 40.162, 31.371



30, 21.775, 193.917

Rectangle

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



14, 40.162, 31.371



14, 40.162, 81.371



14, 40.162, 211.371



14, 40.162, 261.371

Sweetspot

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



14, 40.161, 31.374



35, 14.356, 20.316



16, 49.570, 327.014



16, 9.953, 20.591



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, 40.161, 31.374



20, 51.193, 35.571



20, 33.902, 59.607



15, 2.019, 18.345



48, 96.631, 39.442

Inverse Universe

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



14, 40.161, 31.374



20, 51.193, 35.571



17, 26.546, 275.574



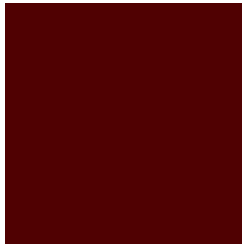
15, 2.019, 18.345



48, 96.631, 39.442

Previews

White Background



This preview shows how the CIELCh color 14, 40.162, 31.371 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

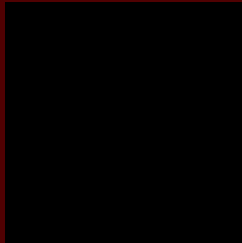
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 40.162, 31.371

Background



This preview shows how black text looks on a background with the CIELCh color 14, 40.162, 31.371.

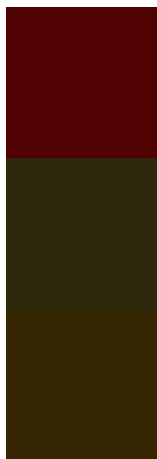


This preview shows how white text looks on a background with the CIELCh color 14, 40.162, 31.371.

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, 40.213, 31.589

Protanopia

16, 18.827, 96.731

Deuteranopia

16, 23.344, 85.970



Tritanopia
14, 38.876, 35.266

Trichromacy



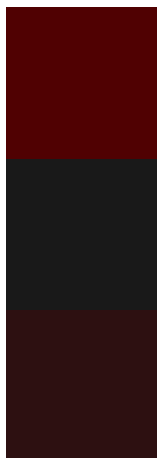
Original Color
14, 40.213, 31.589

Protanomaly
14, 22.237, 50.504

Deuteranomaly
14, 26.340, 51.649

Tritanomaly
14, 39.079, 33.793

Monochromacy



Original Color
14, 40.213, 31.589

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 16.136, 21.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 40.162, 31.371 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, 1, 2)` looks like.

```
.text, #text, p{  
    color:rgb(80, 1, 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(80, 1, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 1, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 40.162, 31.371 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, 1, 2) }
```

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

```
.border{ border-color:rgb(80, 1, 2) }
```

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

Here you see how a box with a 4 pixel rgb(80, 1, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 1, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 1, 2); box-shadow:4px  
4px 4px 4px rgb(80, 1, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 40.162, 31.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 1, 2) }
```

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

```
.background{ background-color: rgb(80, 1,  
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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