

Converting Colors

CIELCh(14, 47.695, 45.251)

Have a look what the booklet for
CIELCh(14, 47.695, 45.251) contains.

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Color

CIELCh(14, 40.354, 33.053)

Conversions

Conversions Part 1

Format	Color
Hex	500200
RGB	80, 2, 0
RGB Percent	31%, 1%, 0%
CMY	0.6874, 0.9932, 1.0000
CMYK	0.00, 0.98, 1.00, 0.69
HSL	1°, 100%, 16%
HSV	1°, 100%, 31%
XYZ	3.3011, 1.7298, 0.1488
YIQ	25.0940, 47.1300, 15.9140

Conversions

Conversions Part 2

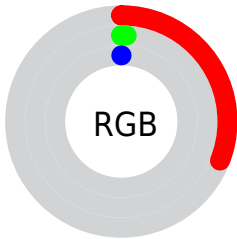
Format	Color
R _Y B	80, 2, 0
Decimal	5243392
CIE Lab	14.00, 33.82, 22.01
CIE LCh	14, 40.354, 33.053
Yxy	1.7298, 0.6373, 0.3340
Android (android.graphics.Color)	4283433472 (0xFF500200)
YUV	25.0940, -12.3713, 48.1526
Hunter-Lab	13.1521, 21.7864, 8.5357

Details

The CIELCh color **14, 40.354, 33.053** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **29, 20.969, 199.527**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 40.326, 33.325**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 40.282, 32.865**, and if you desaturate by 10%, it is **15, 37.232, 32.426**.

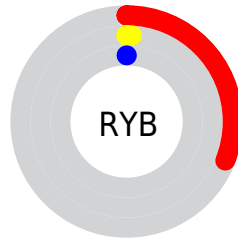
Distribution



Red (31%)

Green (1%)

Blue (0%)



Red (31%)

Yellow (1%)

Blue (0%)

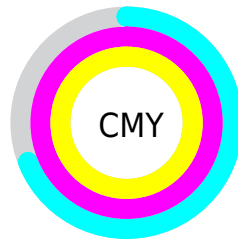


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (69%)



Cyan (69%)

Magenta (99%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 40.354, 33.053 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, 40.354, 33.053 by changing the saturation by 10% instead.

 14, 40.354, 33.053

 14, 40.354, 33.053

 100, 40.354,
33.053

 4, 40.354, 33.053

 34, 40.354, 33.053

 0, 40.354, 33.053

 44, 40.354, 33.053

 54, 40.354, 33.053

 64, 40.354, 33.053

 74, 40.354, 33.053

 84, 40.354, 33.053

 94, 40.354, 33.053

■ 14, 40.354, 33.053

■ 14, 40.354, 33.053

■ 14, 40.282, 32.865

■ 15, 37.232, 32.426

■ 16, 33.840, 31.661

■ 18, 29.367, 29.555

■ 20, 24.637, 27.376

■ 22, 19.981, 25.637

■ 24, 15.492, 24.271

■ 26, 11.230, 23.204

■ 29, 7.224, 22.365

■ 31, 3.484, 21.679

Harmonies

Complementary

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



14, 40.354, 33.053



29, 20.969, 199.527

Rectangle

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



14, 40.354, 33.053



14, 40.354, 83.053



14, 40.354, 213.053



14, 40.354, 263.053

Sweetspot

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



14, 40.282, 32.865



35, 14.106, 23.310



17, 49.133, 328.847



16, 9.784, 23.553



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, 40.282, 32.865



20, 51.270, 36.854



21, 33.938, 64.000



15, 1.976, 21.597



49, 97.103, 40.171

Inverse Universe

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



29, 20.969, 199.527



39, 25.280, 199.646



15, 29.406, 281.257



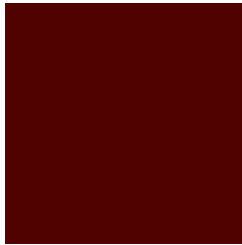
16, 1.879, 200.973



82, 45.248, 199.881

Previews

White Background



This preview shows how the CIELCh color 14, 40.354, 33.053 looks on a white background.

Color Contrast Check

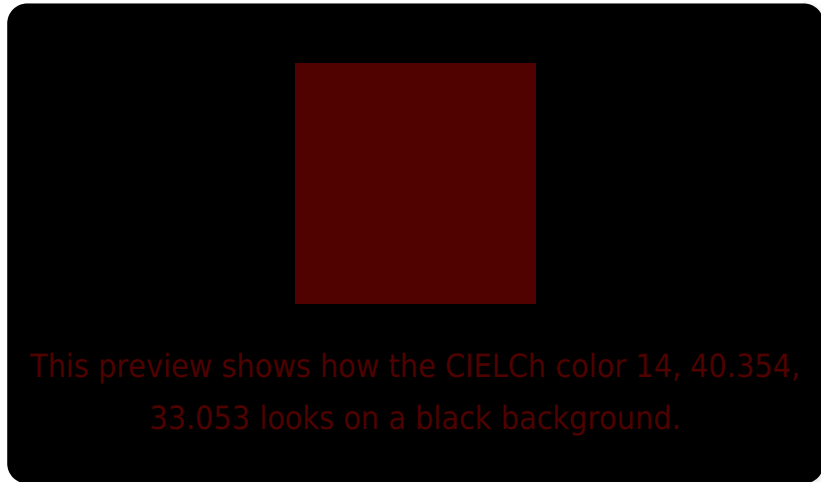
Large Text (above 18pt) WCAG AA ✓ Pass

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

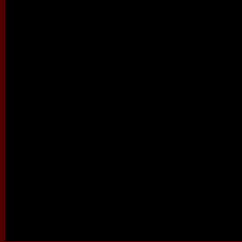
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 40.354, 33.053

Background



This preview shows how black text looks on a background with the CIELCh color 14, 40.354, 33.053.



This preview shows how white text looks on a background with the CIELCh color 14, 40.354, 33.053.

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, 40.354, 33.053

Protanopia

16, 19.238, 96.841

Deuteranopia

16, 23.344, 85.970



Tritanopia
14, 38.876, 35.266

Trichromacy



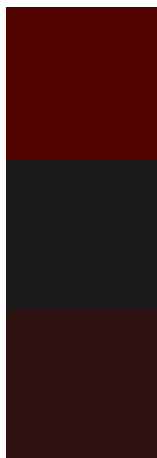
Original Color
14, 40.354, 33.053

Protanomaly
14, 22.766, 52.001

Deuteranomaly
14, 26.087, 52.752

Tritanomaly
14, 39.267, 34.298

Monochromacy



Original Color
14, 40.354, 33.053

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 15.784, 25.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 40.354, 33.053 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, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 2, 0)  
}
```


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, 2, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 14, 40.354, 33.053 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, 2, 0) }
```

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

```
.border{ border-color:rgb(80, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 2, 0); box-shadow:4px  
4px 4px 4px rgb(80, 2, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 40.354, 33.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 2, 0) }
```

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

```
.background{ background-color: rgb(80, 2,  
0) }
```

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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