

Converting Colors

CIELCh(0, 86.985, 338.022)

Have a look what the booklet for
CIELCh(0, 86.985, 338.022) contains.

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Color

CIELCh(14, 38.232, 343.515)

Conversions

Conversions Part 1

Format	Color
Hex	4B0033
RGB	75, 0, 51
RGB Percent	29%, 0%, 20%
CMY	0.7078, 0.9981, 0.7982
CMYK	0.00, 0.99, 0.31, 0.71
HSL	319°, 99%, 15%
HSV	319°, 99%, 29%
XYZ	3.4763, 1.7298, 3.3345
YIQ	28.2390, 28.3290, 31.7610

Conversions

Conversions Part 2

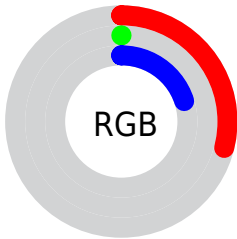
Format	Color
R_{YB}	75, 0, 51
Decimal	4915251
CIE _{Lab}	14.00, 36.66, -10.85
CIE _{LCh}	14, 38.232, 343.515
Yxy	1.7298, 0.4070, 0.2025
Android (android.graphics.Color)	4283105331 (0xFF4B0033)
YUV	28.2390, 11.2212, 41.0094
Hunter-Lab	13.1521, 24.1648, -5.8256

Details

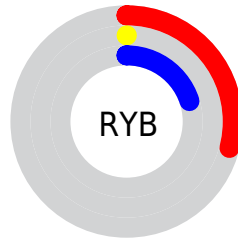
The CIELCh color **14, 38.232, 343.515** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 40.889, 143.827**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 38.248, 344.496**, and **2, 7.843, 16.458** is the 20% darker color. If you saturate the color by 10%, you get **14, 38.384, 343.588**, and if you desaturate by 10%, it is **15, 36.057, 342.331**.

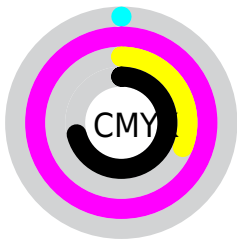
Distribution



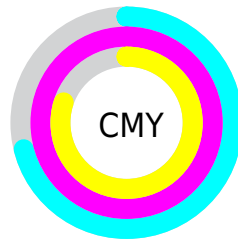
- Red (29%)
- Green (0%)
- Blue (20%)



- Red (29%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (31%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 38.232, 343.515 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, 38.232, 343.515 by changing the saturation by 10% instead.

 14, 38.232,
343.515

 14, 38.232,
343.515


 100, 38.232,
343.515


 4, 38.232, 343.515


 34, 38.232,
343.515

 0, 38.232, 343.515

 44, 38.232,
343.515


 54, 38.232,
343.515


 64, 38.232,
343.515


 74, 38.232,
343.515

 84, 38.232,


343.515


 94, 38.232,
343.515


 14, 38.232,
343.515


 14, 38.232,
343.515


 14, 38.384,
343.588

 15, 36.057,
342.331

 16, 33.850,
341.093

 17, 30.843,
340.013

 19, 27.159,
339.057

 21, 22.983,
338.195

■ 23, 18.489,
337.402

■ 25, 13.821,
336.663

■ 27, 9.085, 335.967

■ 29, 4.361, 335.297

Harmonies

Complementary

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



14, 38.232, 343.515



27, 40.889, 143.827

Rectangle

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



14, 38.232, 343.515



14, 38.232, 33.515



14, 38.232, 163.515



14, 38.232, 213.515

Sweetspot

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



14, 38.230, 343.515



33, 17.566, 336.792



6, 51.722, 308.825



14, 11.819, 336.940



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



14, 38.230, 343.515



20, 45.648, 344.361



13, 35.931, 21.871



14, 2.661, 335.253



21, 47.263, 344.497



51, 84.396, 346.077

Inverse Universe

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



14, 38.230, 343.515



20, 45.648, 344.361



28, 24.849, 172.881



14, 2.661, 335.253



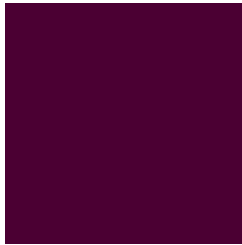
21, 47.263, 344.497



51, 84.396, 346.077

Previews

White Background



This preview shows how the CIELCh color 14, 38.232, 343.515 looks on a white background.

Color Contrast Check

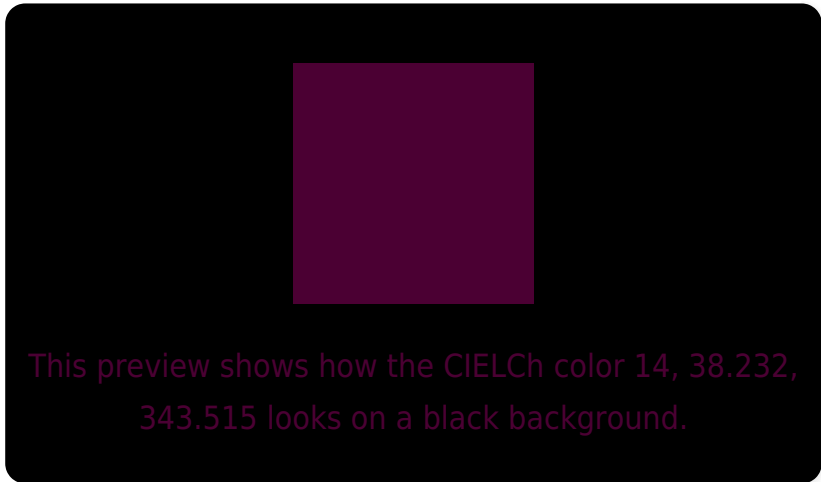
Large Text (above 18pt) WCAG AA ✓ Pass

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

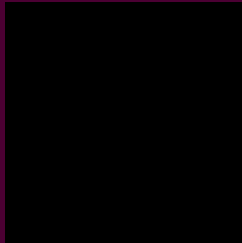
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 38.232, 343.515

Background



This preview shows how black text looks on a background with the CIELCh color 14, 38.232, 343.515.



This preview shows how white text looks on a background with the CIELCh color 14, 38.232, 343.515.

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, 38.353, 344.157

Protanopia

16, 23.982, 284.426

Deuteranopia

16, 6.342, 295.909



Tritanopia
15, 28.008, 27.435

Trichromacy



Original Color
14, 38.353, 344.157

Protanomaly
13, 29.087, 309.570

Deuteranomaly
14, 20.714, 331.339

Tritanomaly
14, 29.674, 7.810

Monochromacy



Original Color
14, 38.353, 344.157

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 18.347, 337.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 38.232, 343.515 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(75, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 51)  
}
```

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(75, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 38.232, 343.515 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(75, 0, 51) }
```

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

```
.border{ border-color:rgb(75, 0, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 0, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 0, 51); box-shadow:4px  
4px 4px 4px rgb(75, 0, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 38.232, 343.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 51) }
```

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

```
.background{ background-color: rgb(75, 0,  
51) }
```

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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