

Converting Colors

CIELCh(15, 38.706, 19.714)

Have a look what the booklet for
CIELCh(15, 38.706, 19.714) contains.

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Color

CIELCh(15, 38.544, 19.923)

Conversions

Conversions Part 1

Format	Color
Hex	530015
RGB	83, 0, 21
RGB Percent	33%, 0%, 8%
CMY	0.6736, 0.9992, 0.9170
CMYK	0.00, 1.00, 0.75, 0.67
HSL	345°, 99%, 16%
HSV	345°, 100%, 33%
XYZ	3.7264, 1.9086, 0.8899
YIQ	27.2110, 42.7270, 24.1270

Conversions

Conversions Part 2

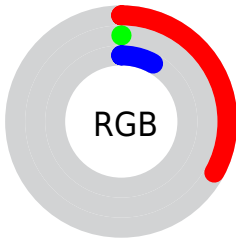
Format	Color
R_{YB}	83, 0, 21
Decimal	5439509
CIE _{Lab}	15.00, 36.24, 13.13
CIE _{LCh}	15, 38.544, 19.923
Yxy	1.9086, 0.5711, 0.2925
Android (android.graphics.Color)	4283629589 (0xFF530015)
YUV	27.2110, -3.0620, 48.9270
Hunter-Lab	13.8151, 23.9704, 5.8517

Details

The CIELCh color **15, 38.544, 19.923** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31, 28.669, 167.722**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 38.469, 20.115**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 38.629, 19.997**, and if you desaturate by 10%, it is **16, 35.357, 16.464**.

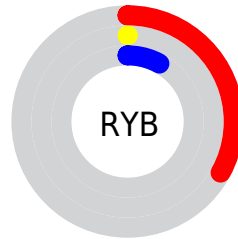
Distribution



Red (33%)

Green (0%)

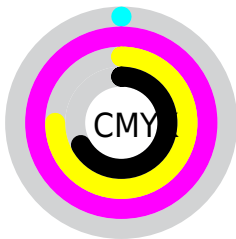
Blue (8%)



Red (33%)

Yellow (0%)

Blue (8%)

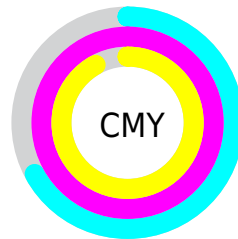


Cyan (0%)

Magenta (100%)

Yellow (75%)

Black (67%)



Cyan (67%)

Magenta (100%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 38.544, 19.923 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 15, 38.544, 19.923 by changing the saturation by 10% instead.

 15, 38.544, 19.923

 15, 38.544, 19.923

 100, 38.544,
19.923

 5, 38.544, 19.923

 35, 38.544, 19.923

 0, 38.544, 19.923

 45, 38.544, 19.923

 55, 38.544, 19.923

 65, 38.544, 19.923

 75, 38.544, 19.923

 85, 38.544, 19.923

 95, 38.544, 19.923

■ 15, 38.544, 19.923

■ 15, 38.544, 19.923

■ 15, 38.629, 19.997

■ 16, 35.357, 16.464

■ 17, 32.301, 12.745

■ 19, 28.751, 9.708

■ 21, 24.804, 7.262

■ 23, 20.611, 5.280

■ 25, 16.317, 3.654

■ 28, 12.035, 2.295

■ 30, 7.844, 1.137

■ 33, 3.792, 0.114

Harmonies

Complementary

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



15, 38.544, 19.923



31, 28.669, 167.722

Rectangle

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



15, 38.544, 19.923



15, 38.544, 69.923



15, 38.544, 199.923



15, 38.544, 249.923

Sweetspot

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



15, 38.542, 19.925



36, 14.983, 2.454



13, 52.452, 319.139



16, 10.140, 2.758



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



15, 38.542, 19.925



21, 46.567, 22.113



17, 38.544, 42.286



15, 2.136, 0.010



20, 45.735, 21.934



49, 84.294, 26.175

Inverse Universe

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



15, 38.542, 19.925



21, 46.567, 22.113



25, 19.612, 238.720



15, 2.136, 0.010



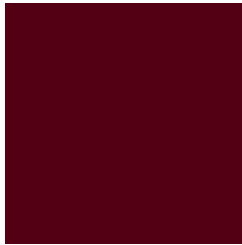
20, 45.735, 21.934



49, 84.294, 26.175

Previews

White Background



This preview shows how the CIE LCh color 15, 38.544, 19.923 looks on a white background.

Color Contrast Check

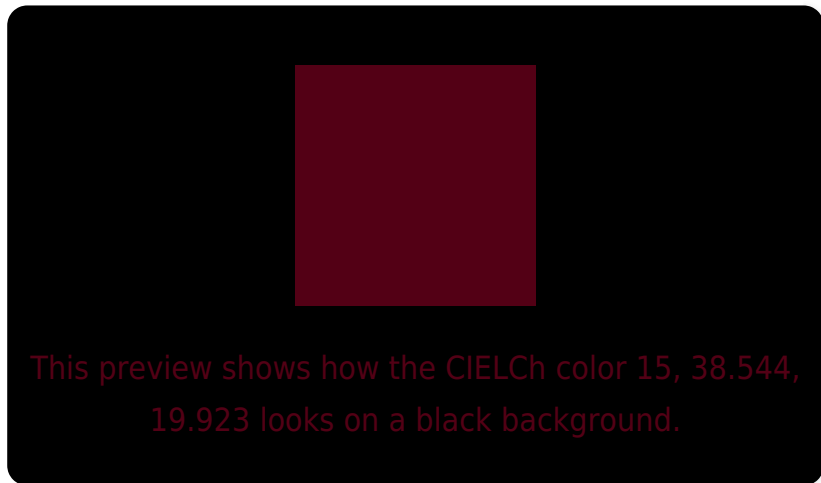
Large Text (above 18pt) WCAG AA ✓ Pass

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 15, 38.544, 19.923

Background



This preview shows how black text looks on a background with the CIELCh color 15, 38.544, 19.923.



This preview shows how white text looks on a background with the CIELCh color 15, 38.544, 19.923.

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

15, 38.544, 19.923

Protanopia

17, 7.079, 95.698

Deuteranopia

17, 17.405, 81.046



Tritanopia
16, 39.247, 33.741

Trichromacy



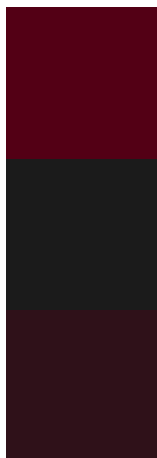
Original Color
15, 38.544, 19.923

Protanomaly
14, 17.085, 22.217

Deuteranomaly
15, 22.377, 37.184

Tritanomaly
15, 38.768, 29.291

Monochromacy



Original Color
15, 38.544, 19.923

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 16.462, 5.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 38.544, 19.923 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(83, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 21)  
}
```

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(83, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 38.544, 19.923 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(83, 0, 21) }
```

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

```
.border{ border-color:rgb(83, 0, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 21); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 21); box-shadow:4px  
4px 4px 4px rgb(83, 0, 21) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 38.544, 19.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 21) }
```

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

```
.background{ background-color: rgb(83, 0,  
21) }
```

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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