

Converting Colors

CIELCh(15, 38.666, 8.892)

Have a look what the booklet for
CIELCh(15, 38.666, 8.892) contains.

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Color

CIELCh(15, 37.716, 9.894)

Conversions

Conversions Part 1

Format	Color
Hex	53001E
RGB	83, 0, 30
RGB Percent	33%, 0%, 12%
CMY	0.6748, 1.0000, 0.8816
CMYK	0.00, 1.00, 0.64, 0.67
HSL	338°, 100%, 16%
HSV	338°, 100%, 33%
XYZ	3.7871, 1.9086, 1.4102
YIQ	28.2370, 39.8380, 26.9260

Conversions

Conversions Part 2

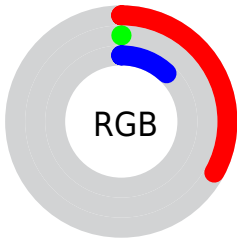
Format	Color
R_YB	83, 0, 30
Decimal	5439518
CIE Lab	15.00, 37.16, 6.48
CIE LCh	15, 37.716, 9.894
Yxy	1.9086, 0.5330, 0.2686
Android (android.graphics.Color)	4283629598 (0xFF53001E)
YUV	28.2370, 0.8692, 48.0272
Hunter-Lab	13.8151, 24.7551, 3.6187

Details

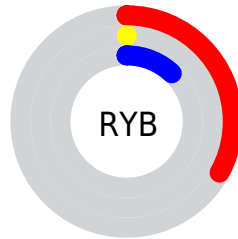
The CIELCh color **15, 37.716, 9.894** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 32.618, 159.183**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.384, 10.644**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.403, 10.233**, and if you desaturate by 10%, it is **16, 34.807, 7.075**.

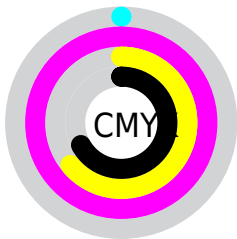
Distribution



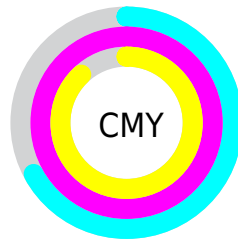
- Red (33%)
- Green (0%)
- Blue (12%)



- Red (33%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (67%)



- Cyan (67%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.716, 9.894 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, 37.716, 9.894 by changing the saturation by 10% instead.

 15, 37.716, 9.894  15, 37.716, 9.894

 100, 37.716, 9.894  5, 37.716, 9.894

 35, 37.716, 9.894  0, 37.716, 9.894

 45, 37.716, 9.894

 55, 37.716, 9.894

 65, 37.716, 9.894

 75, 37.716, 9.894

 85, 37.716, 9.894

 95, 37.716, 9.894

 15, 37.716, 9.894  15, 37.716, 9.894

■ 15, 37.403, 10.233

■ 16, 34.807, 7.075

■ 17, 32.280, 3.800

■ 19, 29.103, 1.145

■ 21, 25.385,
359.000

■ 23, 21.301,
357.242

■ 25, 17.018,
355.775

■ 28, 12.667,
354.525

■ 30, 8.343, 353.438

■ 33, 4.110, 352.462

Harmonies

Complementary

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



15, 37.716, 9.894



30, 32.618, 159.183

Rectangle

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



15, 37.716, 9.894



15, 37.716, 59.894



15, 37.716, 189.894



15, 37.716, 239.894

Sweetspot

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



15, 37.403, 10.233



36, 15.661, 354.643



12, 53.308, 316.209



16, 10.583, 354.924



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, 37.403, 10.233



21, 44.832, 12.151



16, 40.055, 37.580



15, 2.262, 352.338



21, 44.061, 11.986



49, 79.866, 16.017

Inverse Universe

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



15, 37.403, 10.233



21, 44.832, 12.151



27, 19.446, 218.853



15, 2.262, 352.338



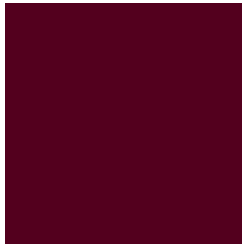
21, 44.061, 11.986



49, 79.866, 16.017

Previews

White Background



This preview shows how the CIELCh color 15, 37.716, 9.894 looks on a white background.

Color Contrast Check

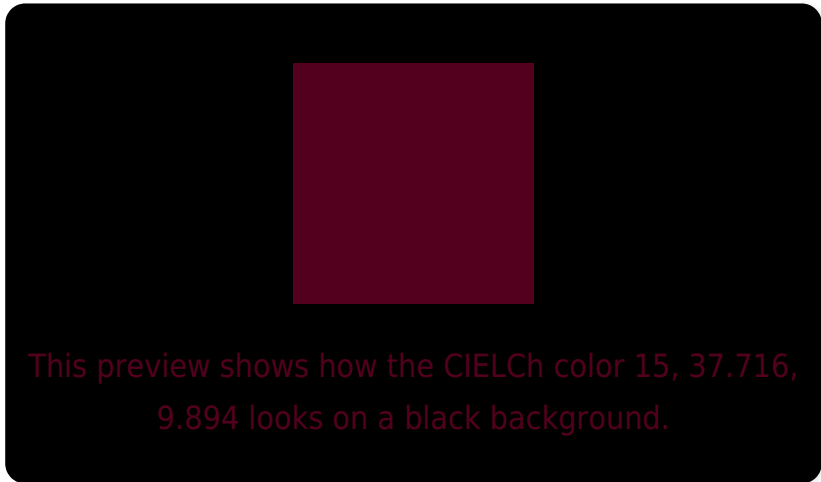
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.716, 9.894

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.716, 9.894.



This preview shows how white text looks on a background with the CIELCh color 15, 37.716, 9.894.

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, 37.436, 10.477

Protanopia

17, 1.476, 309.200

Deuteranopia

17, 11.139, 78.669



Tritanopia
16, 37.264, 32.313

Trichromacy



Original Color
15, 37.436, 10.477

Protanomaly
15, 17.048, 355.706

Deuteranomaly
15, 19.641, 21.496

Tritanomaly
16, 36.703, 25.561

Monochromacy



Original Color
15, 37.436, 10.477

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 16.807, 358.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.716, 9.894 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.716, 9.894 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, 30) }
```

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

```
.border{ border-color:rgb(83, 0, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 30); box-shadow:4px  
4px 4px 4px rgb(83, 0, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.716, 9.894 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, 30) }
```

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

```
.background{ background-color: rgb(83, 0,  
30) }
```

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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