

Converting Colors

CIELCh(15, 38.190, 38.395)

Have a look what the booklet for
CIELCh(15, 38.190, 38.395) contains.

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Color

CIELCh(15, 37.963, 37.731)

Conversions

Conversions Part 1

Format	Color
Hex	4F0C00
RGB	79, 12, 0
RGB Percent	31%, 5%, 0%
CMY	0.6911, 0.9539, 1.0000
CMYK	0.00, 0.85, 1.00, 0.69
HSL	9°, 100%, 15%
HSV	9°, 100%, 31%
XYZ	3.3323, 1.9086, 0.1839
YIQ	30.6650, 43.7840, 10.4720

Conversions

Conversions Part 2

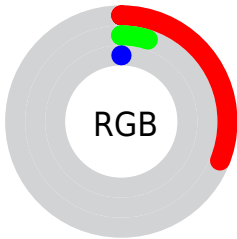
Format	Color
RYB	79, 14, 0
Decimal	5180416
CIELab	15.00, 30.02, 23.23
CIELCh	15, 37.963, 37.731
Yxy	1.9086, 0.6143, 0.3518
Android (android.graphics.Color)	4283370496 (0xFF4F0C00)
YUV	30.6650, -15.1178, 42.3898
Hunter-Lab	13.8151, 18.8783, 8.8814

Details

The CIELCh color **15, 37.963, 37.731** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **25, 18.668, 221.700**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.701, 37.966**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.897, 37.578**, and if you desaturate by 10%, it is **16, 34.841, 37.644**.

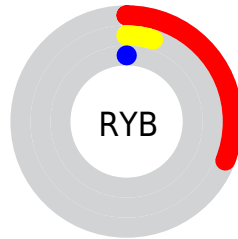
Distribution



Red (31%)

Green (5%)

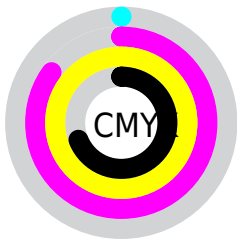
Blue (0%)



Red (31%)

Yellow (5%)

Blue (0%)

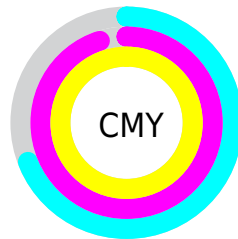


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (69%)



Cyan (69%)

Magenta (95%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.963, 37.731 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, 37.963, 37.731 by changing the saturation by 10% instead.

 15, 37.963, 37.731

 15, 37.963, 37.731

 100, 37.963,
37.731

 5, 37.963, 37.731

 35, 37.963, 37.731

 0, 37.963, 37.731

 45, 37.963, 37.731

 55, 37.963, 37.731

 65, 37.963, 37.731

 75, 37.963, 37.731

 85, 37.963, 37.731

 95, 37.963, 37.731

■ 15, 37.963, 37.731

■ 15, 37.963, 37.731

■ 15, 37.897, 37.578

■ 16, 34.841, 37.644

■ 17, 31.284, 38.105

■ 19, 26.812, 37.142

■ 21, 22.275, 36.045

■ 23, 17.931, 35.202

■ 25, 13.829, 34.588

■ 27, 9.988, 34.164

■ 29, 6.411, 33.888

■ 31, 3.087, 33.705

Harmonies

Complementary

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



15, 37.963, 37.731



25, 18.668, 221.700

Rectangle

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



15, 37.963, 37.731



15, 37.963, 87.731



15, 37.963, 217.731



15, 37.963, 267.731

Sweetspot

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



15, 37.897, 37.578



35, 12.418, 34.201



16, 44.832, 333.760



16, 8.436, 34.284



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 37.897, 37.578



21, 48.336, 40.248



23, 33.982, 74.956



14, 1.672, 33.679



49, 93.782, 41.874

Inverse Universe

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



25, 18.668, 221.700



33, 22.287, 222.736



12, 35.862, 290.847



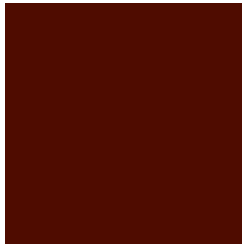
15, 1.592, 213.893



73, 40.241, 224.920

Previews

White Background



This preview shows how the CIE LCh color 15, 37.963, 37.731 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

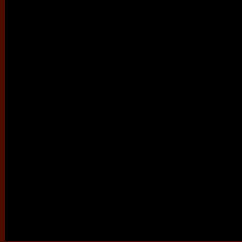
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 37.963, 37.731

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.963, 37.731.

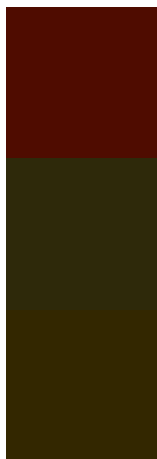


This preview shows how white text looks on a background with the CIELCh color 15, 37.963, 37.731.

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, 37.963, 37.731

Protanopia

16, 19.844, 96.982

Deuteranopia

16, 23.715, 87.682



Tritanopia
15, 36.232, 31.898

Trichromacy



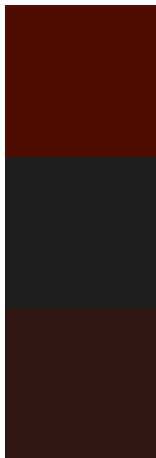
Original Color
15, 37.963, 37.731

Protanomaly
15, 22.457, 59.592

Deuteranomaly
15, 25.770, 59.153

Tritanomaly
15, 36.960, 34.088

Monochromacy



Original Color
15, 37.963, 37.731

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 14.572, 34.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.963, 37.731 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(79, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 12, 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(79, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 12, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.963, 37.731 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(79, 12, 0) }
```

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

```
.border{ border-color:rgb(79, 12, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 12, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 12, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 12, 0); box-shadow:4px  
4px 4px 4px rgb(79, 12, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.963, 37.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 12, 0) }
```

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

```
.background{ background-color: rgb(79, 12,  
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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