Converting Colors

CIELCh(15, 31.945, 357.536)

Have a look what the booklet for CIELCh(15, 31.945, 357.536) contains.

Color

CIELCh(15, 31.837, 356.707)

Conversions

Format	Color
	Conversions Part 1
Hex	4B0B29
RGB	75, 11, 41
RGB Percent	29%, 4%, 16%
CMY	0.7052, 0.9560, 0.8386
CMYK	0.00, 0.85, 0.45, 0.71
HSL	332°, 74%, 17%
HSV	332°, 85%, 29%
XYZ	3.4409, 1.9086, 2.2988
YIQ	33.5560, 28.5140, 22.8980

Conversions

Conversions Part 2

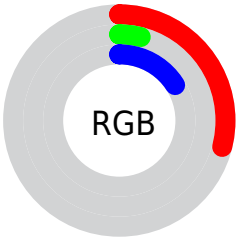
Format	Color
RYB	75, 11, 41
Decimal	4918057
CIELab	15.00, 31.78, -1.83
CIELCh	15, 31.837, 356.707
Yxy	1.9086, 0.4499, 0.2495
Android (android.graphics.Color)	4283108137 (0xFF4B0B29)
YUV	33.5560, 3.6699, 36.3464
Hunter-Lab	13.8151, 20.2823, -0.1952

Details

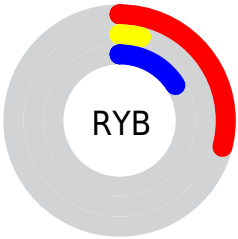
The CIELCh color 15, 31.837, 356.707 is a dark color, and the websafe version is hex 660033. A complement of this color would be 28, 30.177, 155.657, and the grayscale version is 13, 0.003, 296.813.

A 20% lighter version of the original color is 35, 32.115, 356.492, and 2, 7.329, 19.405 is the 20% darker color. If you saturate the color by 10%, you get 14, 33.977, 359.226, and if you desaturate by 10%, it is 16, 29.334, 354.398.

Distribution

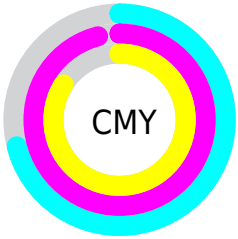


- Red (29%)
- Green (4%)
- Blue (16%)



- Red (29%)
- Yellow (4%)
- Blue (16%)

- Cyan (0%)
- Magenta (85%)
- Yellow (45%)
- Black (71%)



- Cyan (71%)
- Magenta (96%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 31.837, 356.707 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, 31.837, 356.707 by changing the saturation by 10% instead.

15, 31.837, 356.707

100, 31.837, 356.707

35, 31.837, 356.707

45, 31.837, 356.707

55, 31.837, 356.707

65, 31.837, 356.707

75, 31.837, 356.707

85, 31.837,

15, 31.837, 356.707

5, 31.837, 356.707

0, 31.837, 356.707

356.707

95, 31.837, 356.707

15, 31.837, 356.707

14, 33.977, 359.226

13, 35.159, 0.335

15, 31.837, 356.707

16, 29.334, 354.398

18, 26.181, 352.515

20, 22.542, 350.952

22, 18.587, 349.629

24, 14.464, 348.485

26, 10.284, 347.477

28, 6.126, 346.569

31, 2.041, 345.694

33, 1.940, 165.166

Harmonies

Complementary

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

15, 31.837, 356.707

28, 30.177, 155.657

Rectangle

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

15, 31.837, 356.707

15, 31.837, 46.707

15, 31.837, 176.707

15, 31.837, 226.707

Sweetspot

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

15, 31.835, 356.708

33, 13.172, 347.656

11, 44.312, 312.996

15, 8.817, 347.811

72, 0.009, 296.813

20, 0.004, 296.813

Same Dimension

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

15, 31.835, 356.708

19, 41.718, 2.000

14, 33.892, 31.219

14, 2.283, 346.018

20, 43.224, 2.302

49, 77.968, 5.783

Inverse Universe

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

15, 31.835, 356.708

19, 41.718, 2.000

28, 19.044, 198.715

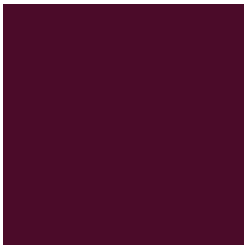
14, 2.283, 346.018

20, 43.224, 2.302

49, 77.968, 5.783

Previews

White Background

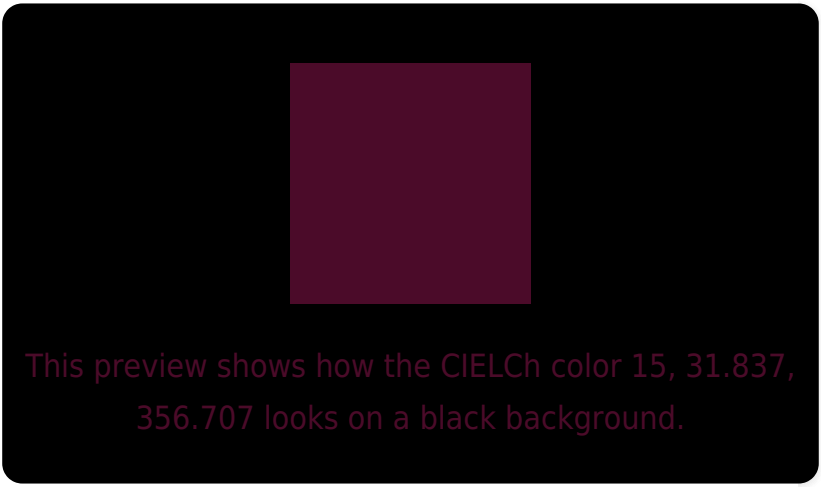


This preview shows how the CIELCh color 15, 31.837, 356.707 looks on a white background.

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

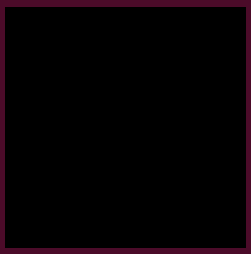


Color Contrast Check

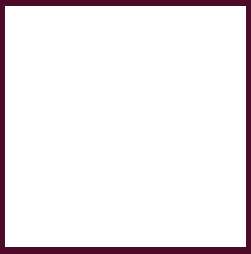
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 15, 31.837, 356.707 Background



This preview shows how black text looks on a background with the CIELCh color 15, 31.837, 356.707.



This preview shows how white text looks on a background with the CIELCh color 15, 31.837, 356.707.

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, 31.837, 356.707

Protanopia
16, 11.987, 283.602

Deuteranopia
16, 3.062, 33.131

Tritanopia
15, 29.812, 29.241

Trichromacy

Original Color
15, 31.837, 356.707

Protanomaly
15, 17.215, 324.911

Deuteranomaly
15, 14.843, 356.059

Tritanomaly
15, 29.275, 16.828

Monochromacy

Original Color
15, 31.837, 356.707

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 13.602, 348.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 31.837, 356.707 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, 11, 41) looks like.

```
.text, #text, p{
    color:rgb(75, 11, 41)
}
```

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, 11, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 11, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 31.837, 356.707 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, 11, 41) }
```

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

```
.border{ border-color:rgb(75, 11, 41) }
```

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

Here you see how a box with a 4 pixel rgb(75, 11, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(75, 11, 41); -webkit-box-shadow:4px 4px 4px 4px rgb(75, 11, 41); box-shadow:4px 4px 4px 4px rgb(75, 11, 41) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 31.837, 356.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(75, 11, 41) }
```

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

```
.background{ background-color:rgb(75, 11,
41) }
```

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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