

Converting Colors

CIELCh(15, 36.814, 356.356)

Have a look what the booklet for
CIELCh(15, 36.814, 356.356)
contains.

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Color

CIELCh(15, 36.813, 356.197)

Conversions

Conversions Part 1

Format	Color
Hex	50012A
RGB	80, 1, 42
RGB Percent	31%, 0%, 16%
CMY	0.6855, 0.9953, 0.8347
CMYK	0.00, 0.98, 0.47, 0.69
HSL	329°, 97%, 16%
HSV	329°, 98%, 31%
XYZ	3.7590, 1.9086, 2.3761
YIQ	29.2950, 33.9230, 29.4990

Conversions

Conversions Part 2

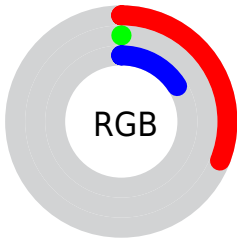
Format	Color
RYB	80, 1, 42
Decimal	5243178
CIELab	15.00, 36.73, -2.44
CIELCh	15, 36.813, 356.197
Yxy	1.9086, 0.4673, 0.2373
Android (android.graphics.Color)	4283433258 (0xFF50012A)
YUV	29.2950, 6.2636, 44.4683
Hunter-Lab	13.8151, 24.3923, -0.5270

Details

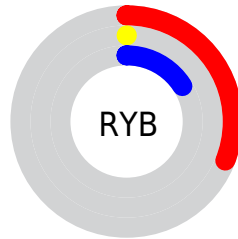
The CIELCh color **15, 36.813, 356.197** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 37.051, 150.664**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 36.537, 356.489**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.155, 356.514**, and if you desaturate by 10%, it is **16, 34.722, 353.934**.

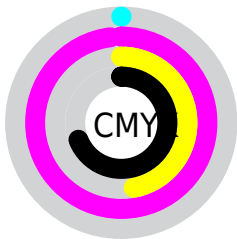
Distribution



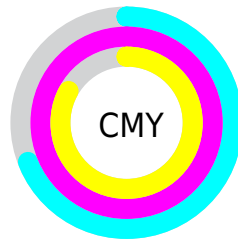
- Red (31%)
- Green (0%)
- Blue (16%)



- Red (31%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (98%)
- Yellow (47%)
- Black (69%)





- Cyan (69%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 36.813, 356.197 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, 36.813, 356.197 by changing the saturation by 10% instead.

 15, 36.813,
356.197


 15, 36.813,
356.197


 100, 36.813,
356.197


 5, 36.813, 356.197


 35, 36.813,
356.197

 0, 36.813, 356.197

 45, 36.813,
356.197


 55, 36.813,
356.197


 65, 36.813,
356.197


 75, 36.813,
356.197


 85, 36.813,


356.197


 95, 36.813,
356.197


 15, 36.813,
356.197


 15, 36.813,
356.197

 15, 37.155,
356.514

 16, 34.722,
353.934

 17, 32.476,
351.697

 19, 29.431,
349.871

 21, 25.752,
348.353

 23, 21.634,
347.066

■ 25, 17.252,
345.949

■ 27, 12.746,
344.962

■ 29, 8.218, 344.071

■ 32, 3.738, 343.241

Harmonies

Complementary

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



15, 36.813, 356.197



29, 37.051, 150.664

Rectangle

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



15, 36.813, 356.197



15, 36.813, 46.197



15, 36.813, 176.197



15, 36.813, 226.197

Sweetspot

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



15, 36.811, 356.198



35, 16.724, 345.206



9, 52.982, 312.072



16, 11.510, 345.444



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, 36.811, 356.198



21, 44.435, 357.957



14, 39.939, 30.806



15, 2.495, 343.261



50, 79.073, 0.914

Inverse Universe

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



15, 36.811, 356.198



21, 44.435, 357.957



30, 22.036, 191.867



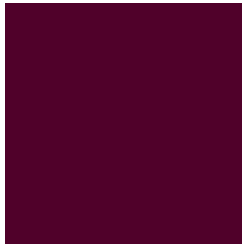
15, 2.495, 343.261



50, 79.073, 0.914

Previews

White Background



This preview shows how the CIE LCh color 15, 36.813, 356.197 looks on a white background.

Color Contrast Check

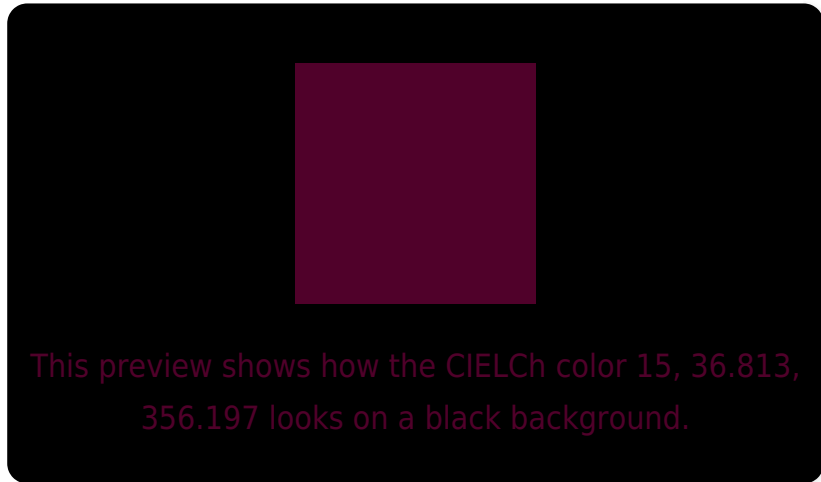
Large Text (above 18pt) WCAG AA ✓ Pass

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

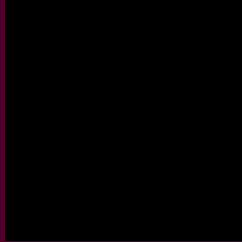
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 36.813, 356.197

Background



This preview shows how black text looks on a background with the CIELCh color 15, 36.813, 356.197.



This preview shows how white text looks on a background with the CIELCh color 15, 36.813, 356.197.

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, 36.813, 356.197

Protanopia

17, 13.986, 285.666

Deuteranopia

17, 3.544, 31.375



Tritanopia
16, 33.329, 30.447

Trichromacy



Original Color
15, 36.813, 356.197

Protanomaly
14, 21.651, 324.486

Deuteranomaly
15, 18.351, 353.591

Tritanomaly
15, 33.163, 17.378

Monochromacy



Original Color
15, 36.813, 356.197

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 17.398, 347.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 36.813, 356.197 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(80, 1, 42)` looks like.

```
.text, #text, p{  
    color:rgb(80, 1, 42)  
}
```

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(80, 1, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 1, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 36.813, 356.197 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(80, 1, 42) }
```

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

```
.border{ border-color:rgb(80, 1, 42) }
```

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

Here you see how a box with a 4 pixel rgb(80, 1, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 1, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 1, 42); box-shadow:4px  
4px 4px 4px rgb(80, 1, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 36.813, 356.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 1, 42) }
```

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

```
.background{ background-color: rgb(80, 1,  
42) }
```

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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