

Converting Colors

CIELCh(15, 37.337, 352.478)

Have a look what the booklet for
CIELCh(15, 37.337, 352.478)
contains.

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Color

CIELCh(15, 37.319, 353.143)

Conversions

Conversions Part 1

Format	Color
Hex	50012D
RGB	80, 1, 45
RGB Percent	31%, 0%, 18%
CMY	0.6867, 0.9965, 0.8239
CMYK	0.00, 0.99, 0.44, 0.69
HSL	327°, 98%, 16%
HSV	327°, 99%, 31%
XYZ	3.7803, 1.9086, 2.6424
YIQ	29.6370, 32.9600, 30.4320

Conversions

Conversions Part 2

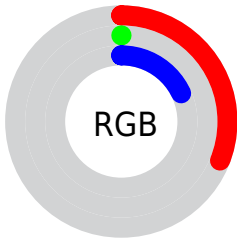
Format	Color
RYB	80, 1, 45
Decimal	5243181
CIELab	15.00, 37.05, -4.46
CIELCh	15, 37.319, 353.143
Yxy	1.9086, 0.4537, 0.2291
Android (android.graphics.Color)	4283433261 (0xFF50012D)
YUV	29.6370, 7.5740, 44.1684
Hunter-Lab	13.8151, 24.6666, -1.6695

Details

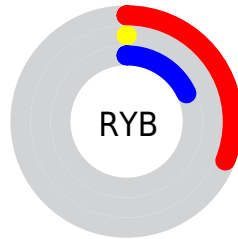
The CIELCh color **15, 37.319, 353.143** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 38.440, 148.808**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.291, 352.921**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.568, 353.353**, and if you desaturate by 10%, it is **16, 35.259, 351.135**.

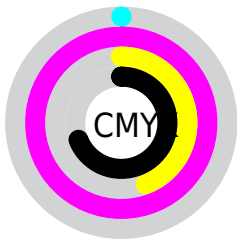
Distribution



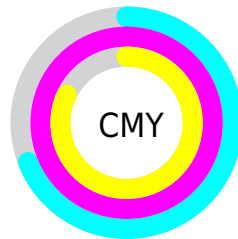
- Red (31%)
- Green (0%)
- Blue (18%)



- Red (31%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (99%)
- Yellow (44%)
- Black (69%)





- Cyan (69%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.319, 353.143 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, 37.319, 353.143 by changing the saturation by 10% instead.

 15, 37.319,
353.143


 15, 37.319,
353.143


 100, 37.319,
353.143


 5, 37.319, 353.143


 35, 37.319,
353.143

 0, 37.319, 353.143

 45, 37.319,
353.143


 55, 37.319,
353.143


 65, 37.319,
353.143


 75, 37.319,
353.143


 85, 37.319,


353.143


 95, 37.319,
353.143


 15, 37.319,
353.143


 15, 37.319,
353.143


 15, 37.568,
353.353

 16, 35.259,
351.135

 17, 33.066,
349.128

 19, 30.048,
347.472

 20, 26.367,
346.083

 22, 22.218,
344.893

■ 25, 17.781,
343.850

■ 27, 13.200,
342.918

■ 29, 8.583, 342.071

■ 32, 4.003, 341.277

Harmonies

Complementary

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



15, 37.319, 353.143



29, 38.440, 148.808

Rectangle

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



15, 37.319, 353.143



15, 37.319, 43.143



15, 37.319, 173.143



15, 37.319, 223.143

Sweetspot

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



15, 37.317, 353.144



35, 17.136, 343.116



9, 53.369, 311.398



16, 11.790, 343.339



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, 37.317, 353.144



21, 44.997, 354.649



14, 39.488, 29.390



15, 2.562, 341.266



50, 79.868, 357.270

Inverse Universe

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



15, 37.317, 353.144



21, 44.997, 354.649



30, 22.640, 187.535



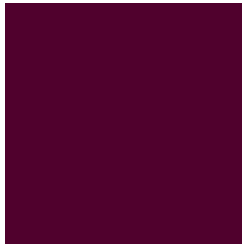
15, 2.562, 341.266



50, 79.868, 357.270

Previews

White Background



This preview shows how the CIELCh color 15, 37.319, 353.143 looks on a white background.

Color Contrast Check

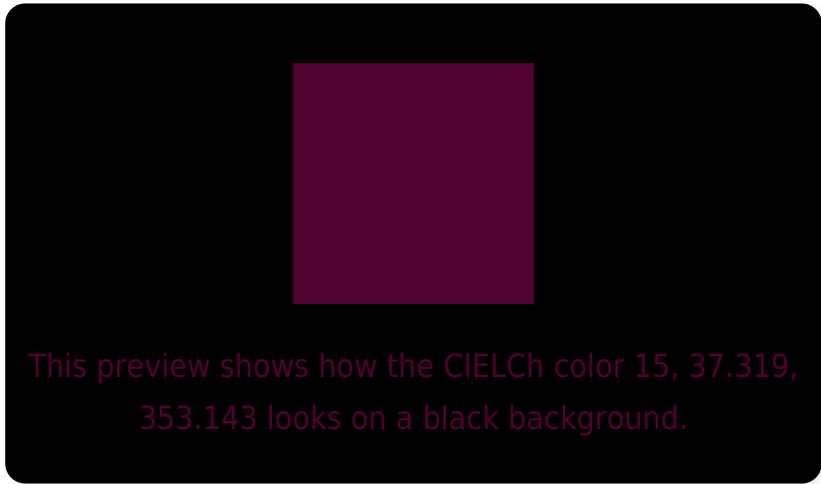
Large Text (above 18pt) WCAG AA ✓ Pass

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

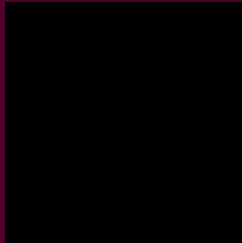
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 37.319, 353.143

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.319, 353.143.



This preview shows how white text looks on a background with the CIELCh color 15, 37.319, 353.143.

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, 37.319, 353.143

Protanopia

17, 16.782, 285.467

Deuteranopia

17, 2.523, 4.006



Tritanopia
16, 32.322, 30.078

Trichromacy



Original Color
15, 37.319, 353.143

Protanomaly
14, 24.581, 320.254

Deuteranomaly
14, 18.844, 346.766

Tritanomaly
16, 32.628, 15.422

Monochromacy



Original Color
15, 37.319, 353.143

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 17.731, 345.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.319, 353.143 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(80, 1, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 1, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.319, 353.143 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, 45) }
```

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

```
.border{ border-color:rgb(80, 1, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 1, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 1, 45); box-shadow:4px  
4px 4px 4px rgb(80, 1, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.319, 353.143 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, 45) }
```

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

```
.background{ background-color: rgb(80, 1,  
45) }
```

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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