

Converting Colors

CIELCh(15, 50.392, 323.737)

Have a look what the booklet for
CIELCh(15, 50.392, 323.737)
contains.

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Color

CIELCh(15, 50.731, 323.435)

Conversions

Conversions Part 1

Format	Color
Hex	460051
RGB	70, 0, 81
RGB Percent	27%, 0%, 32%
CMY	0.7248, 0.9993, 0.6817
CMYK	0.14, 1.00, 0.00, 0.68
HSL	292°, 100%, 16%
HSV	292°, 100%, 32%
XYZ	4.0311, 1.9086, 7.9724
YIQ	30.1640, 15.7190, 40.0310

Conversions

Conversions Part 2

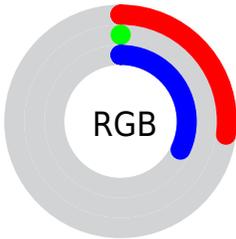
Format	Color
R_{YB}	70, 0, 81
Decimal	4587601
CIE _{Lab}	15.00, 40.75, -30.22
CIE _{LCh}	15, 50.731, 323.435
Yxy	1.9086, 0.2898, 0.1372
Android (android.graphics.Color)	4282777681 (0xFF460051)
YUV	30.1640, 25.0621, 34.9362
Hunter-Lab	13.8151, 27.9073, -24.5441

Details

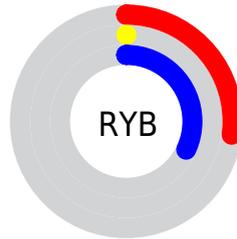
The CIELCh color **15, 50.731, 323.435** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **29, 51.090, 134.590**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 50.693, 323.228**, and **2, 22.878, 308.087** is the 20% darker color. If you saturate the color by 10%, you get **15, 50.800, 323.436**, and if you desaturate by 10%, it is **16, 47.624, 323.424**.

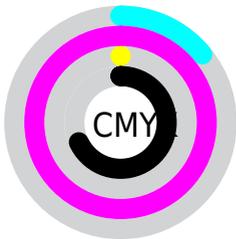
Distribution



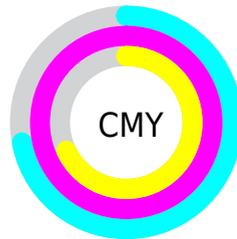
- Red (27%)
- Green (0%)
- Blue (32%)



- Red (27%)
- Yellow (0%)
- Blue (32%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (68%)



- Cyan (72%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 50.731, 323.435 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, 50.731, 323.435 by changing the saturation by 10% instead.

■ 15, 50.731,
323.435

■ 15, 50.731,
323.435

■ 100, 50.731,
323.435

■ 5, 50.731, 323.435

■ 35, 50.731,
323.435

■ 0, 50.731, 323.435

■ 45, 50.731,
323.435

■ 55, 50.731,
323.435

■ 65, 50.731,
323.435

■ 75, 50.731,
323.435

■ 85, 50.731,

323.435

 95, 50.731,
323.435

 15, 50.731,
323.435

 15, 50.731,
323.435

 15, 50.800,
323.436

 16, 47.624,
323.424

 17, 44.397,
323.420

 19, 40.235,
323.289

 21, 35.307,
323.053

 23, 29.833,
322.736

■ 25, 24.009,
322.364

■ 27, 17.996,
321.957

■ 30, 11.918,
321.530

■ 32, 5.859, 321.092

Harmonies

Complementary

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



15, 50.731, 323.435



29, 51.090, 134.590

Rectangle

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



15, 50.731, 323.435



15, 50.731, 13.435



15, 50.731, 143.435



15, 50.731, 193.435

Sweetspot

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



15, 50.730, 323.435



35, 22.347, 322.009



8, 49.720, 301.707



16, 15.371, 322.109



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, 50.730, 323.435



21, 60.590, 323.279



16, 39.635, 346.439



15, 3.358, 321.044



50, 108.768, 322.947

Inverse Universe

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



14, 39.439, 26.777



20, 48.671, 30.473



29, 42.470, 144.830



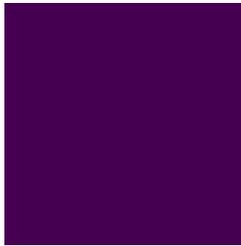
15, 2.050, 8.876



49, 91.028, 34.586

Previews

White Background



This preview shows how the CIELCh color 15, 50.731, 323.435 looks on a white background.

Color Contrast Check

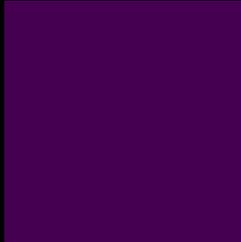
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 15, 50.731, 323.435 looks on a 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, 50.731, 323.435

Background



This preview shows how black text looks on a background with the CIELCh color 15, 50.731, 323.435.



This preview shows how white text looks on a background with the CIELCh color 15, 50.731, 323.435.

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, 50.731, 323.435

Protanopia

16, 31.751, 282.960

Deuteranopia

17, 24.267, 271.564



Tritanopia
17, 16.611, 19.323

Trichromacy



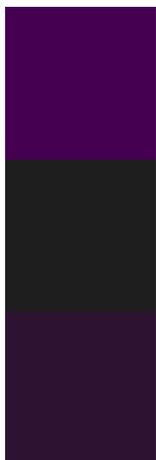
Original Color
15, 50.731, 323.435

Protanomaly
13, 40.920, 300.302

Deuteranomaly
13, 36.237, 299.030

Tritanomaly
15, 27.866, 340.653

Monochromacy



Original Color
15, 50.731, 323.435

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 23.876, 323.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 50.731, 323.435 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(70, 0, 81)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 81)  
}
```

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(70, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 50.731, 323.435 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(70, 0, 81) }
```

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

```
.border{ border-color:rgb(70, 0, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 81); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 0, 81); box-shadow:4px  
4px 4px 4px rgb(70, 0, 81) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 50.731, 323.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 81) }
```

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

```
.background{ background-color: rgb(70, 0,  
81) }
```

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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