

Converting Colors

CIELCh(15, 71.811, 309.856)

Have a look what the booklet for
CIELCh(15, 71.811, 309.856)
contains.

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Color

CIELCh(15, 71.650, 309.836)

Conversions

Conversions Part 1

Format	Color
Hex	2D0176
RGB	45, 1, 118
RGB Percent	18%, 0%, 46%
CMY	0.8222, 0.9950, 0.5361
CMYK	0.62, 0.99, 0.00, 0.54
HSL	263°, 98%, 23%
HSV	263°, 99%, 46%
XYZ	4.3991, 1.9086, 17.3685
YIQ	27.4940, -11.3330, 45.7150

Conversions

Conversions Part 2

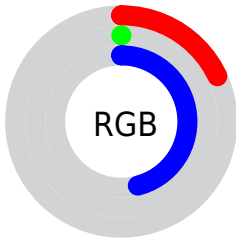
Format	Color
R_{YB}	45, 1, 118
Decimal	2949494
CIE _{Lab}	15.00, 45.90, -55.02
CIE _{LCh}	15, 71.650, 309.836
Yxy	1.9086, 0.1858, 0.0806
Android (android.graphics.Color)	4281139574 (0xFF2D0176)
YUV	27.4940, 44.6195, 15.3528
Hunter-Lab	13.8151, 32.6621, -64.8692

Details

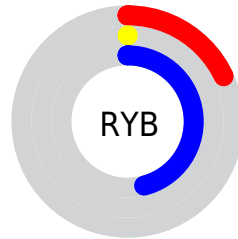
The CIELCh color **15, 71.650, 309.836** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **45, 58.755, 122.695**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 71.634, 309.940**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **15, 72.232, 309.874**, and if you desaturate by 10%, it is **17, 66.657, 309.728**.

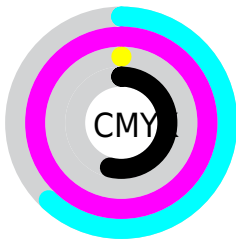
Distribution



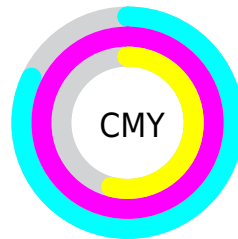
- Red (18%)
- Green (0%)
- Blue (46%)



- Red (18%)
- Yellow (0%)
- Blue (46%)



- Cyan (62%)
- Magenta (99%)
- Yellow (0%)
- Black (54%)





- Cyan (82%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 71.650, 309.836 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, 71.650, 309.836 by changing the saturation by 10% instead.

 15, 71.650,
309.836


 15, 71.650,
309.836


 100, 71.650,
309.836


 5, 71.650, 309.836


 35, 71.650,
309.836

 0, 71.650, 309.836

 45, 71.650,
309.836


 55, 71.650,
309.836


 65, 71.650,
309.836


 75, 71.650,
309.836


 85, 71.650,


309.836


 95, 71.650,
309.836


 15, 71.650,
309.836


 15, 71.650,
309.836


 15, 72.232,
309.874

 17, 66.657,
309.728

 20, 60.667,
309.478

 23, 53.496,
308.967

 27, 45.698,
308.317

 30, 37.661,
307.614

■ 34, 29.620,
306.915

■ 38, 21.707,
306.252

■ 42, 13.989,
305.640

■ 46, 6.496, 305.084

Harmonies

Complementary

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



15, 71.650, 309.836



45, 58.755, 122.695

Rectangle

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



15, 71.650, 309.836



15, 71.650, 359.836



15, 71.650, 129.836



15, 71.650, 179.836

Sweetspot

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



15, 71.651, 309.837



48, 27.868, 306.369



30, 30.180, 264.835



23, 18.988, 306.585



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



15, 71.651, 309.837



21, 87.285, 309.615



24, 65.836, 323.312



22, 4.069, 305.089



15, 74.051, 309.836



37, 126.375, 309.272

Inverse Universe

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



25, 50.287, 349.506



33, 60.508, 350.465



43, 66.656, 135.074



23, 3.650, 338.152



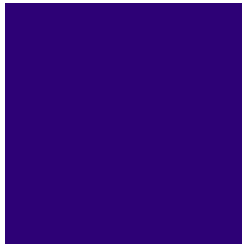
26, 51.667, 349.836



55, 86.713, 351.508

Previews

White Background



This preview shows how the CIELCh color 15, 71.650, 309.836 looks on a white background.

Color Contrast Check

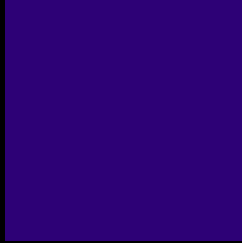
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 15, 71.650, 309.836 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, 71.650, 309.836

Background



This preview shows how black text looks on a background with the CIELCh color 15, 71.650, 309.836.



This preview shows how white text looks on a background with the CIELCh color 15, 71.650, 309.836.

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, 71.650, 309.836

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.433, 265.539



Tritanopia
16, 14.585, 207.828

Trichromacy



Original Color
15, 71.650, 309.836

Protanomaly
14, 48.829, 299.516

Deuteranomaly
14, 42.276, 297.198

Tritanomaly
13, 32.149, 292.404

Monochromacy



Original Color
15, 71.650, 309.836

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 31.625, 308.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 71.650, 309.836 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(45, 1, 118)` looks like.

```
.text, #text, p{  
    color:rgb(45, 1, 118)  
}
```

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(45, 1, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 1, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 71.650, 309.836 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(45, 1, 118) }
```

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

```
.border{ border-color:rgb(45, 1, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 1, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 1, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 1, 118);  
box-shadow:4px 4px 4px 4px rgb(45, 1, 118)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 71.650, 309.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 1, 118) }
```

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

```
.background{ background-color: rgb(45, 1,  
118) }
```

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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