

Converting Colors

CIELCh(15, 66.559, 302.255)

Have a look what the booklet for
CIELCh(15, 66.559, 302.255)
contains.

CIELCh(15, 66.613, 302.323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(15, 66.613, 302.323)

Conversions

Conversions Part 1

Format	Color
Hex	011578
RGB	1, 21, 120
RGB Percent	0%, 8%, 47%
CMY	0.9946, 0.9172, 0.5289
CMYK	0.99, 0.82, 0.00, 0.53
HSL	230°, 98%, 24%
HSV	230°, 99%, 47%
XYZ	3.6857, 1.9086, 17.9870
YIQ	26.3060, -43.6990, 26.5490

Conversions

Conversions Part 2

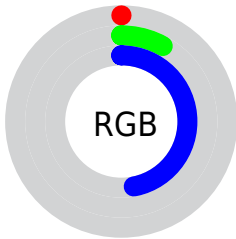
Format	Color
R_YB	1, 18, 120
Decimal	71032
CIE Lab	15.00, 35.62, -56.29
CIE LCh	15, 66.613, 302.323
Yxy	1.9086, 0.1563, 0.0809
Android (android.graphics.Color)	4278261112 (0xFF011578)
YUV	26.3060, 46.1911, -22.1934
Hunter-Lab	13.8151, 23.4453, -67.5234

Details

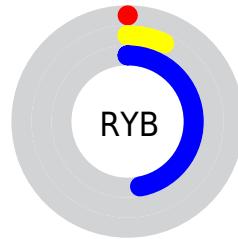
The CIELCh color **15, 66.613, 302.323** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 49.649, 91.381**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 66.536, 302.398**, and **4, 49.042, 303.550** is the 20% darker color. If you saturate the color by 10%, you get **15, 67.323, 302.549**, and if you desaturate by 10%, it is **18, 59.942, 299.945**.

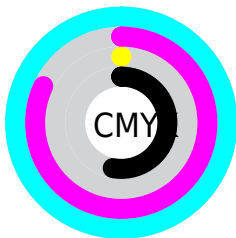
Distribution



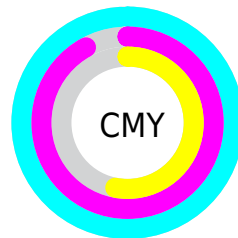
- Red (0%)
- Green (8%)
- Blue (47%)



- Red (0%)
- Yellow (7%)
- Blue (47%)



- Cyan (99%)
- Magenta (82%)
- Yellow (0%)
- Black (53%)





- Cyan (99%)
- Magenta (92%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 66.613, 302.323 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, 66.613, 302.323 by changing the saturation by 10% instead.

 15, 66.613,
302.323


 15, 66.613,
302.323


 100, 66.613,
302.323


 5, 66.613, 302.323


 35, 66.613,
302.323

 0, 66.613, 302.323

 45, 66.613,
302.323


 55, 66.613,
302.323


 65, 66.613,
302.323


 75, 66.613,
302.323


 85, 66.613,


302.323


 95, 66.613,
302.323


 15, 66.613,
302.323


 15, 66.613,
302.323


 15, 67.323,
302.549

 18, 59.942,
299.945

 21, 52.697,
297.233

 24, 45.326,
294.542

 28, 38.085,
292.030

 32, 31.067,
289.774

■ 35, 24.292,
287.798

■ 39, 17.749,
286.087

■ 43, 11.419,
284.615

■ 47, 5.285, 283.357

Harmonies

Complementary

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



15, 66.613, 302.323



43, 49.649, 91.381

Rectangle

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



15, 66.613, 302.323



15, 66.613, 352.323



15, 66.613, 122.323



15, 66.613, 172.323

Sweetspot

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



15, 66.614, 302.324



50, 22.868, 286.389



45, 33.741, 175.192



24, 15.811, 286.960



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



15, 66.614, 302.324



21, 82.846, 303.149



15, 73.014, 309.101



24, 3.415, 283.383



16, 69.487, 302.652



35, 121.933, 303.880

Inverse Universe

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



24, 52.864, 29.257



32, 65.223, 31.123



46, 58.620, 120.827



24, 2.917, 6.577



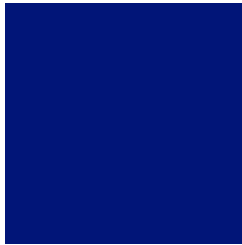
25, 55.025, 29.945



53, 95.330, 32.943

Previews

White Background



This preview shows how the CIE LCh color 15, 66.613, 302.323 looks on a white background.

Color Contrast Check

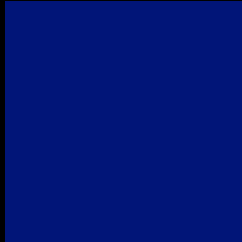
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.613, 302.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

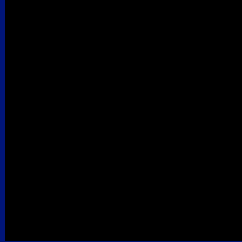
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 66.613, 302.323

Background



This preview shows how black text looks on a background with the CIELCh color 15, 66.613, 302.323.



This preview shows how white text looks on a background with the CIELCh color 15, 66.613, 302.323.

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, 66.613, 302.323

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
15, 66.613, 302.323

Protanomaly
15, 44.060, 294.023

Deuteranomaly
15, 37.378, 289.953

Tritanomaly
14, 26.821, 279.890

Monochromacy



Original Color
15, 66.613, 302.323

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 26.474, 293.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 66.613, 302.323 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(1, 21, 120)` looks like.

```
.text, #text, p{  
    color:rgb(1, 21, 120)  
}
```

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(1, 21, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 21, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 66.613, 302.323 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(1, 21, 120) }
```

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

```
.border{ border-color:rgb(1, 21, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 21, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 21, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 21, 120);  
box-shadow:4px 4px 4px 4px rgb(1, 21, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 66.613, 302.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 21, 120) }
```

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

```
.background{ background-color: rgb(1, 21,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor