

Converting Colors

CIELCh(9, 73.272, 292.100)

Have a look what the booklet for
CIELCh(9, 73.272, 292.100) contains.

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Color

CIELCh(15, 67.153, 302.138)

Conversions

Conversions Part 1

Format	Color
Hex	001579
RGB	0, 21, 121
RGB Percent	0%, 8%, 47%
CMY	1.0000, 0.9168, 0.5254
CMYK	1.00, 0.82, 0.00, 0.53
HSL	229°, 100%, 24%
HSV	229°, 100%, 47%
XYZ	3.6926, 1.9086, 18.2697
YIQ	26.1210, -44.6160, 26.6480

Conversions

Conversions Part 2

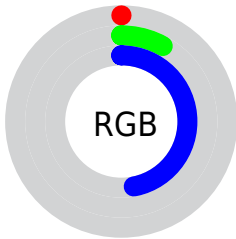
Format	Color
RYB	0, 18, 121
Decimal	5497
CIELab	15.00, 35.72, -56.86
CIELCh	15, 67.153, 302.138
Yxy	1.9086, 0.1547, 0.0800
Android (android.graphics.Color)	4278195577 (0xFF001579)
YUV	26.1210, 46.7753, -22.9081
Hunter-Lab	13.8151, 23.5342, -68.7368

Details

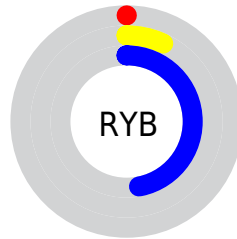
The CIELCh color **15, 67.153, 302.138** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 49.980, 90.520**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 67.667, 302.428**, and **4, 49.795, 303.778** is the 20% darker color. If you saturate the color by 10%, you get **15, 67.083, 302.282**, and if you desaturate by 10%, it is **18, 60.447, 299.917**.

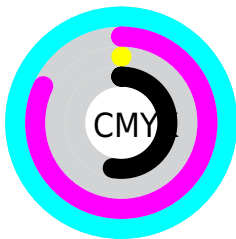
Distribution



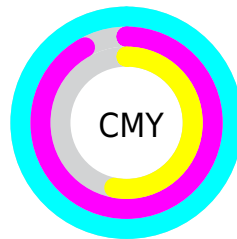
- Red (0%)
- Green (8%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (92%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 67.153, 302.138 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, 67.153, 302.138 by changing the saturation by 10% instead.

 15, 67.153,
302.138

 15, 67.153,
302.138


 100, 67.153,
302.138


 5, 67.153, 302.138


 35, 67.153,
302.138

 0, 67.153, 302.138

 45, 67.153,
302.138


 55, 67.153,
302.138


 65, 67.153,
302.138


 75, 67.153,
302.138


 85, 67.153,


302.138


 95, 67.153,
302.138


 15, 67.153,
302.138


 15, 67.153,
302.138


 15, 67.083,
302.282

 18, 60.447,
299.917

 21, 53.246,
297.170

 24, 45.906,
294.434

 28, 38.688,
291.871

 32, 31.690,
289.565

■ 35, 24.931,
287.541

■ 39, 18.401,
285.788

■ 43, 12.081,
284.280

■ 47, 5.954, 282.988

Harmonies

Complementary

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



15, 67.153, 302.138



43, 49.980, 90.520

Rectangle

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



15, 67.153, 302.138



15, 67.153, 352.138



15, 67.153, 122.138



15, 67.153, 172.138

Sweetspot

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



15, 67.083, 302.282



51, 22.927, 285.911



45, 34.782, 173.265



24, 15.639, 286.479



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, 67.083, 302.282



21, 83.184, 302.915



14, 74.272, 308.901



24, 3.381, 282.880



16, 68.836, 302.368



36, 120.940, 303.641

Inverse Universe

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



24, 53.378, 29.092



33, 65.662, 30.562



46, 58.988, 120.135



24, 2.926, 5.876



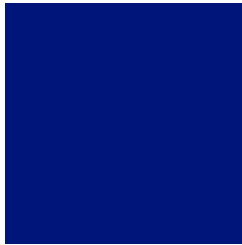
25, 54.710, 29.289



53, 94.746, 32.338

Previews

White Background



This preview shows how the CIELCh color 15, 67.153, 302.138 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, 67.153, 302.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

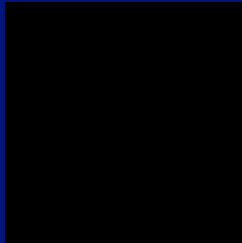
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 67.153, 302.138

Background



This preview shows how black text looks on a background with the CIELCh color 15, 67.153, 302.138.



This preview shows how white text looks on a background with the CIELCh color 15, 67.153, 302.138.

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, 67.192, 302.335

Protanopia

16, 29.899, 281.560

Deuteranopia

16, 21.374, 266.887



Tritanopia
16, 14.262, 205.201

Trichromacy



Original Color
15, 67.192, 302.335

Protanomaly
15, 43.968, 293.514

Deuteranomaly
15, 38.049, 290.160

Tritanomaly
14, 27.496, 280.353

Monochromacy



Original Color
15, 67.192, 302.335

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 27.175, 294.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 67.153, 302.138 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(0, 21, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 21, 121)  
}
```

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(0, 21, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 21, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 67.153, 302.138 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(0, 21, 121) }
```

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

```
.border{ border-color:rgb(0, 21, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 21, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 21, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 21, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 21, 121)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 67.153, 302.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 21, 121) }
```

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

```
.background{ background-color: rgb(0, 21,  
121) }
```

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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