

Converting Colors

CIELCh(15, 65.842, 301.981)

Have a look what the booklet for
CIELCh(15, 65.842, 301.981)
contains.

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Color

CIELCh(15, 65.487, 301.915)

Conversions

Conversions Part 1

Format	Color
Hex	001677
RGB	0, 22, 119
RGB Percent	0%, 9%, 47%
CMY	0.9996, 0.9136, 0.5332
CMYK	1.00, 0.81, 0.00, 0.53
HSL	229°, 100%, 23%
HSV	229°, 100%, 47%
XYZ	3.6210, 1.9086, 17.6432
YIQ	26.4800, -44.2490, 25.5030

Conversions

Conversions Part 2

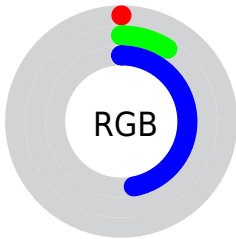
Format	Color
RYB	0, 19, 119
Decimal	5751
CIELab	15.00, 34.62, -55.59
CIELCh	15, 65.487, 301.915
Yxy	1.9086, 0.1563, 0.0824
Android (android.graphics.Color)	4278195831 (0xFF001677)
YUV	26.4800, 45.6124, -23.2230
Hunter-Lab	13.8151, 22.6086, -66.0482

Details

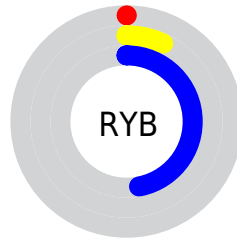
The CIELCh color **15, 65.487, 301.915** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 49.155, 89.820**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 65.342, 301.902**, and **4, 48.279, 303.307** is the 20% darker color. If you saturate the color by 10%, you get **15, 65.545, 301.935**, and if you desaturate by 10%, it is **18, 58.903, 299.490**.

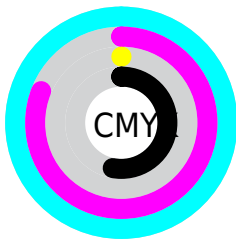
Distribution



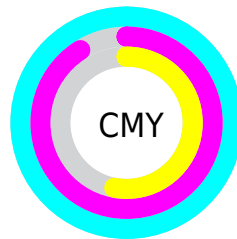
- Red (0%)
- Green (9%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (81%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (91%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 65.487, 301.915 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, 65.487, 301.915 by changing the saturation by 10% instead.

■ 15, 65.487,
301.915

■ 15, 65.487,
301.915

■ 100, 65.487,
301.915

■ 5, 65.487, 301.915

■ 35, 65.487,
301.915

■ 0, 65.487, 301.915

■ 45, 65.487,
301.915


■ 55, 65.487,
301.915


■ 65, 65.487,
301.915


■ 75, 65.487,
301.915


■ 85, 65.487,

301.915


 95, 65.487,
301.915


 15, 65.487,
301.915


 15, 65.487,
301.915


 15, 65.545,
301.935

 18, 58.903,
299.490

 21, 51.838,
296.702

 24, 44.677,
293.942

 28, 37.650,
291.367

 31, 30.841,
289.054

■ 35, 24.261,
287.026

■ 39, 17.899,
285.269

■ 43, 11.738,
283.757

■ 46, 5.761, 282.461

Harmonies

Complementary

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



15, 65.487, 301.915



42, 49.155, 89.820

Rectangle

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



15, 65.487, 301.915



15, 65.487, 351.915



15, 65.487, 121.915



15, 65.487, 171.915

Sweetspot

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



15, 65.488, 301.916



50, 22.380, 285.409



44, 35.049, 171.625



24, 15.469, 285.987



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, 65.488, 301.916



21, 81.342, 302.602



14, 73.548, 308.678



23, 3.229, 282.357



16, 67.039, 302.015



36, 118.939, 303.377

Inverse Universe

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



24, 52.368, 28.276



32, 64.454, 29.827



46, 57.976, 119.326



23, 2.831, 5.171



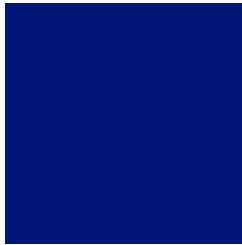
24, 53.542, 28.490



52, 93.414, 31.681

Previews

White Background



This preview shows how the CIE LCh color 15, 65.487, 301.915 looks on a white background.

Color Contrast Check

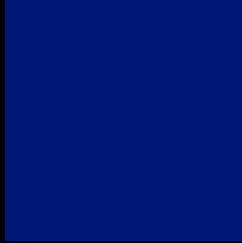
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.487, 301.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

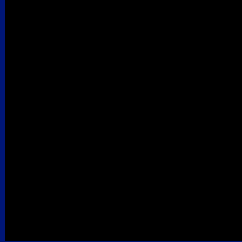
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 65.487, 301.915

Background



This preview shows how black text looks on a background with the CIELCh color 15, 65.487, 301.915.



This preview shows how white text looks on a background with the CIELCh color 15, 65.487, 301.915.

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, 65.487, 301.915

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
15, 65.487, 301.915

Protanomaly
15, 44.078, 293.886

Deuteranomaly
15, 37.398, 289.766

Tritanomaly
14, 26.857, 279.563

Monochromacy



Original Color
15, 65.487, 301.915

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 25.686, 292.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 65.487, 301.915 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, 22, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 22, 119)  
}
```

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, 22, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 22, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 65.487, 301.915 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, 22, 119) }
```

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

```
.border{ border-color:rgb(0, 22, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 22, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 22, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 22, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 22, 119)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 65.487, 301.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 22, 119) }
```

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

```
.background{ background-color: rgb(0, 22,  
119) }
```

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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