

Converting Colors

CIELCh(15, 85.257, 306.654)

Have a look what the booklet for
CIELCh(15, 85.257, 306.654)
contains.

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Color

CIELCh(15, 84.836, 306.556)

Conversions

Conversions Part 1

Format	Color
Hex	08008B
RGB	8, 0, 139
RGB Percent	3%, 0%, 55%
CMY	0.9673, 1.0000, 0.4557
CMYK	0.94, 1.00, 0.00, 0.46
HSL	244°, 100%, 27%
HSV	244°, 100%, 54%
XYZ	4.7483, 1.9086, 24.4690
YIQ	18.2380, -39.8510, 44.9250

Conversions

Conversions Part 2

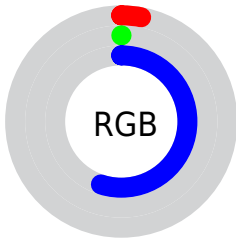
Format	Color
RYB	8, 0, 139
Decimal	524427
CIELab	15.00, 50.53, -68.15
CIELCh	15, 84.836, 306.556
Yxy	1.9086, 0.1526, 0.0613
Android (android.graphics.Color)	4278714507 (0xFF08008B)
YUV	18.2380, 59.5357, -8.9787
Hunter-Lab	13.8151, 37.1748, -95.3422

Details

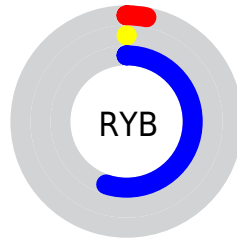
The CIELCh color **15, 84.836, 306.556** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **55, 61.808, 106.472**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **35, 84.846, 306.471**, and **6, 60.527, 305.934** is the 20% darker color. If you saturate the color by 10%, you get **15, 84.775, 306.537**, and if you desaturate by 10%, it is **17, 79.236, 305.446**.

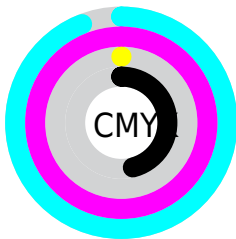
Distribution



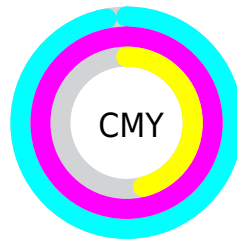
- Red (3%)
- Green (0%)
- Blue (55%)



- Red (3%)
- Yellow (0%)
- Blue (55%)



- Cyan (94%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)





- Cyan (97%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 84.836, 306.556 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, 84.836, 306.556 by changing the saturation by 10% instead.

 15, 84.836,
306.556

 15, 84.836,
306.556


 100, 84.836,
306.556

 5, 84.836, 306.556


 35, 84.836,
306.556

 0, 84.836, 306.556

 45, 84.836,
306.556

 55, 84.836,
306.556


 65, 84.836,
306.556


 75, 84.836,
306.556


 85, 84.836,

306.556


 95, 84.836,
306.556


 15, 84.836,
306.556


 15, 84.836,
306.556


 15, 84.775,
306.537

 17, 79.236,
305.446

 20, 71.879,
304.060

 24, 62.876,
302.316

 28, 53.256,
300.476

 33, 43.612,
298.713

■ 38, 34.208,
297.114

■ 43, 25.141,
295.707

■ 48, 16.428,
294.489

■ 53, 8.057, 293.444

Harmonies

Complementary

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



15, 84.836, 306.556



55, 61.808, 106.472

Rectangle

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



15, 84.836, 306.556



15, 84.836, 356.556



15, 84.836, 126.556



15, 84.836, 176.556

Sweetspot

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



15, 84.775, 306.537



55, 31.272, 295.794



50, 29.868, 204.480



26, 21.667, 296.300



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



15, 84.775, 306.537



22, 103.167, 306.469



22, 78.354, 313.355



26, 4.509, 293.363



14, 81.992, 306.551



0, 2.060, 292.543

Inverse Universe

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



32, 70.202, 330.716



42, 85.253, 330.774



51, 70.222, 129.228



27, 5.222, 326.571



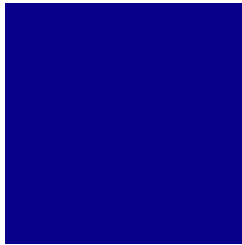
30, 67.927, 330.705



0, 2.410, 326.094

Previews

White Background



This preview shows how the CIELCh color 15, 84.836, 306.556 looks on a white background.

Color Contrast Check

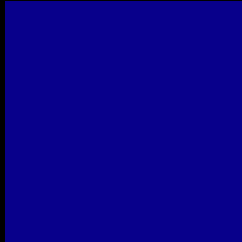
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.836, 306.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

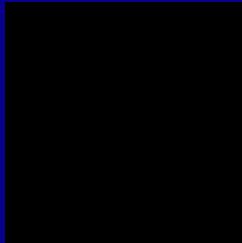
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 84.836, 306.556

Background



This preview shows how black text looks on a background with the CIELCh color 15, 84.836, 306.556.



This preview shows how white text looks on a background with the CIELCh color 15, 84.836, 306.556.

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, 84.877, 306.526

Protanopia

17, 31.060, 281.829

Deuteranopia

16, 21.984, 266.865



Tritanopia
17, 14.976, 201.916

Trichromacy



Original Color
15, 84.877, 306.526

Protanomaly
14, 54.650, 299.305

Deuteranomaly
14, 48.386, 297.403

Tritanomaly
13, 37.080, 291.768

Monochromacy



Original Color
15, 84.877, 306.526

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 37.403, 302.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 84.836, 306.556 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(8, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(8, 0, 139)  
}
```

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(8, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 84.836, 306.556 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(8, 0, 139) }
```

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

```
.border{ border-color:rgb(8, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 0, 139); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 0, 139); box-shadow:4px  
4px 4px 4px rgb(8, 0, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 84.836, 306.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 0, 139) }
```

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

```
.background{ background-color: rgb(8, 0,  
139) }
```

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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