

Converting Colors

CIELCh(18, 88.175, 305.296)

Have a look what the booklet for
CIELCh(18, 88.175, 305.296)
contains.

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Color

CIELCh(18, 88.203, 305.305)

Conversions

Conversions Part 1

Format	Color
Hex	000A99
RGB	0, 10, 153
RGB Percent	0%, 4%, 60%
CMY	0.9997, 0.9608, 0.4000
CMYK	1.00, 0.93, 0.00, 0.40
HSL	236°, 100%, 30%
HSV	236°, 100%, 60%
XYZ	5.8601, 2.5180, 30.3193
YIQ	23.3120, -51.8630, 42.3530

Conversions

Conversions Part 2

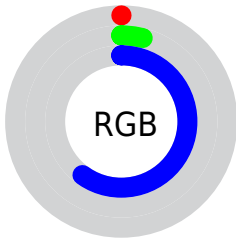
Format	Color
RYB	0, 9, 153
Decimal	2713
CIELab	18.00, 50.98, -71.98
CIELCh	18, 88.203, 305.305
Yxy	2.5180, 0.1514, 0.0651
Android (android.graphics.Color)	4278192793 (0xFF000A99)
YUV	23.3120, 63.9362, -20.4446
Hunter-Lab	15.8683, 38.1498, -102.1765

Details

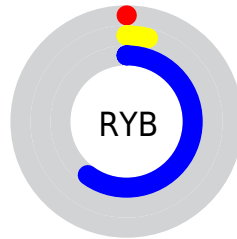
The CIELCh color **18, 88.203, 305.305** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **58, 63.184, 98.617**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **38, 88.189, 305.259**, and **8, 67.340, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 88.229, 305.311**, and if you desaturate by 10%, it is **20, 81.964, 303.827**.

Distribution



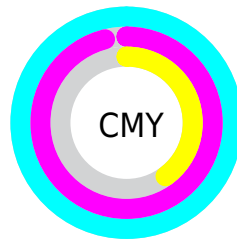
- Red (0%)
- Green (4%)
- Blue (60%)



- Red (0%)
- Yellow (4%)
- Blue (60%)



- Cyan (100%)
- Magenta (93%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (96%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 88.203, 305.305 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 18, 88.203, 305.305 by changing the saturation by 10% instead.

 18, 88.203,
305.305


 18, 88.203,
305.305


 100, 88.203,
305.305


 8, 88.203, 305.305


 38, 88.203,
305.305

 0, 88.203, 305.305

 48, 88.203,
305.305


 58, 88.203,
305.305


 68, 88.203,
305.305

 78, 88.203,
305.305


 88, 88.203,


305.305


 98, 88.203,
305.305


 18, 88.203,
305.305


 18, 88.203,
305.305


 18, 88.229,
305.311

 20, 81.964,
303.827

 24, 73.417,
301.714

 28, 63.715,
299.345

 33, 53.736,
296.986

 38, 43.919,
294.800

■ 43, 34.430,
292.858

■ 48, 25.306,
291.174

■ 53, 16.537,
289.730

■ 58, 8.099, 288.501

Harmonies

Complementary

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



18, 88.203, 305.305



58, 63.184, 98.617

Rectangle

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



18, 88.203, 305.305



18, 88.203, 355.305



18, 88.203, 125.305



18, 88.203, 175.305

Sweetspot

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



18, 88.205, 305.306



61, 31.428, 291.275



57, 36.236, 186.822



29, 21.549, 291.900



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



18, 88.205, 305.306



25, 108.110, 305.564



22, 86.272, 310.650



30, 4.595, 288.420



16, 82.483, 305.206



0, 4.898, 287.492

Inverse Universe

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



31, 68.538, 36.853



41, 84.063, 37.642



57, 72.725, 125.420



30, 3.447, 14.639



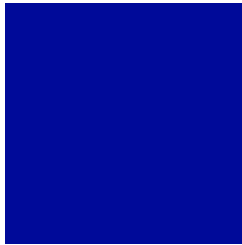
28, 63.982, 36.417



1, 3.615, 14.107

Previews

White Background



This preview shows how the CIE LCh color 18, 88.203, 305.305 looks on a white background.

Color Contrast Check

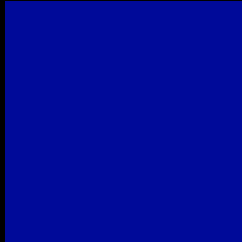
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 88.203, 305.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

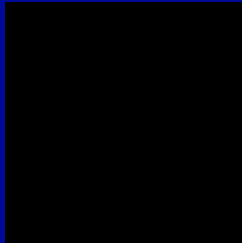
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 88.203, 305.305

Background



This preview shows how black text looks on a background with the CIELCh color 18, 88.203, 305.305.



This preview shows how white text looks on a background with the CIELCh color 18, 88.203, 305.305.

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

18, 88.203, 305.305

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 23.763, 267.403



Tritanopia
19, 15.971, 201.489

Trichromacy



Original Color
18, 88.203, 305.305

Protanomaly
17, 57.120, 298.108

Deuteranomaly
17, 50.172, 295.582

Tritanomaly
16, 37.119, 288.443

Monochromacy



Original Color
18, 88.203, 305.305

Achromatopsia
8, 0.002, 296.812

Achromatomaly
9, 38.069, 300.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 88.203, 305.305 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, 10, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 10, 153)  
}
```

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, 10, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 10, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 88.203, 305.305 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, 10, 153) }
```

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

```
.border{ border-color:rgb(0, 10, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 10, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 10, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 10, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 10, 153)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 88.203, 305.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 10, 153) }
```

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

```
.background{ background-color: rgb(0, 10,  
153) }
```

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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