

Converting Colors

CIELCh(18, 83.798, 304.396)

Have a look what the booklet for
CIELCh(18, 83.798, 304.396)
contains.

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Color

CIELCh(18, 83.663, 304.496)

Conversions

Conversions Part 1

Format	Color
Hex	001094
RGB	0, 16, 148
RGB Percent	0%, 6%, 58%
CMY	0.9984, 0.9369, 0.4192
CMYK	1.00, 0.89, 0.00, 0.42
HSL	234°, 99%, 29%
HSV	234°, 100%, 58%
XYZ	5.5461, 2.5180, 28.2582
YIQ	26.2640, -51.9080, 37.6600

Conversions

Conversions Part 2

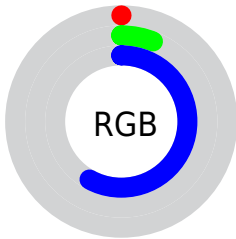
Format	Color
RYB	0, 14, 148
Decimal	4244
CIELab	18.00, 47.38, -68.95
CIELCh	18, 83.663, 304.496
Yxy	2.5180, 0.1527, 0.0693
Android (android.graphics.Color)	4278194324 (0xFF001094)
YUV	26.2640, 60.0158, -23.0335
Hunter-Lab	15.8683, 34.6180, -94.4754

Details

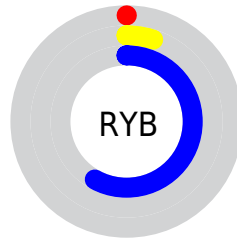
The CIELCh color **18, 83.663, 304.496** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **55, 60.006, 95.685**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 83.372, 304.485**, and **8, 65.420, 306.275** is the 20% darker color. If you saturate the color by 10%, you get **18, 83.828, 304.537**, and if you desaturate by 10%, it is **21, 76.721, 302.625**.

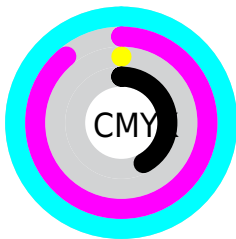
Distribution



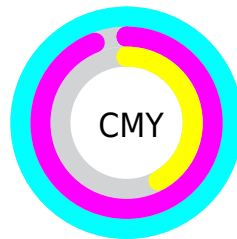
- Red (0%)
- Green (6%)
- Blue (58%)



- Red (0%)
- Yellow (5%)
- Blue (58%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (94%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 83.663, 304.496 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, 83.663, 304.496 by changing the saturation by 10% instead.

■ 18, 83.663,
304.496

■ 18, 83.663,
304.496

■ 100, 83.663,
304.496

■ 8, 83.663, 304.496

■ 38, 83.663,
304.496

■ 0, 83.663, 304.496

■ 48, 83.663,
304.496

■ 58, 83.663,
304.496

■ 68, 83.663,
304.496

■ 78, 83.663,
304.496


■ 88, 83.663,


304.496

 98, 83.663,
304.496


 18, 83.663,
304.496


 18, 83.663,
304.496


 18, 83.828,
304.537

 21, 76.721,
302.625

 24, 68.161,
300.234

 28, 58.915,
297.695

 33, 49.607,
295.236

 37, 40.524,
292.990

■ 42, 31.759,
291.008

■ 47, 23.324,
289.292

■ 52, 15.201,
287.820

■ 57, 7.367, 286.565

Harmonies

Complementary

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



18, 83.663, 304.496



55, 60.006, 95.685

Rectangle

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



18, 83.663, 304.496



18, 83.663, 354.496



18, 83.663, 124.496



18, 83.663, 174.496

Sweetspot

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



18, 83.665, 304.497



60, 29.362, 289.436



55, 37.299, 180.460



29, 20.115, 290.067



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



18, 83.665, 304.497



25, 103.544, 304.896



20, 84.951, 309.757



29, 4.273, 286.506



16, 79.154, 304.415



0, 3.685, 285.502

Inverse Universe

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



30, 65.119, 34.580



40, 80.508, 35.676



56, 69.769, 123.353



29, 3.370, 11.322



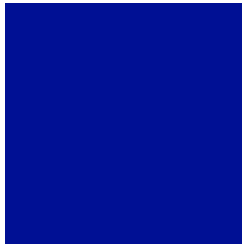
28, 61.658, 34.341



1, 2.867, 10.641

Previews

White Background



This preview shows how the CIE LCh color 18, 83.663, 304.496 looks on a white background.

Color Contrast Check

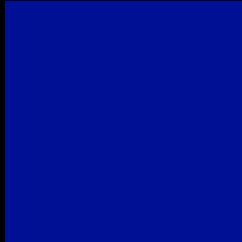
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.663, 304.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

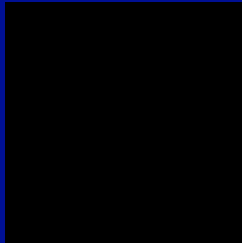
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 83.663, 304.496

Background



This preview shows how black text looks on a background with the CIELCh color 18, 83.663, 304.496.



This preview shows how white text looks on a background with the CIELCh color 18, 83.663, 304.496.

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, 83.663, 304.496

Protanopia

19, 33.978, 282.868

Deuteranopia

19, 23.217, 266.211



Tritanopia
19, 15.657, 204.230

Trichromacy



Original Color
18, 83.663, 304.496

Protanomaly
17, 54.486, 296.912

Deuteranomaly
17, 46.818, 293.766

Tritanomaly
16, 35.097, 286.634

Monochromacy



Original Color
18, 83.663, 304.496

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 34.939, 297.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 83.663, 304.496 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, 16, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 16, 148)  
}
```

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, 16, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 16, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 83.663, 304.496 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, 16, 148) }
```

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

```
.border{ border-color:rgb(0, 16, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 16, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 16, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 16, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 16, 148)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 83.663, 304.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 16, 148) }
```

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

```
.background{ background-color: rgb(0, 16,  
148) }
```

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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