

Converting Colors

CIELCh(18, 82.912, 304.252)

Have a look what the booklet for
CIELCh(18, 82.912, 304.252)
contains.

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Color

CIELCh(18, 82.750, 304.323)

Conversions

Conversions Part 1

Format	Color
Hex	001193
RGB	0, 17, 147
RGB Percent	0%, 7%, 58%
CMY	0.9982, 0.9329, 0.4230
CMYK	1.00, 0.88, 0.00, 0.42
HSL	233°, 99%, 29%
HSV	233°, 100%, 58%
XYZ	5.4843, 2.5180, 27.8540
YIQ	26.7370, -51.8620, 36.8260

Conversions

Conversions Part 2

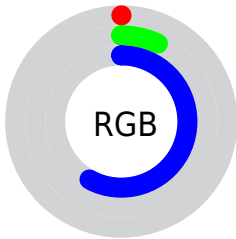
Format	Color
RYB	0, 15, 147
Decimal	4499
CIELab	18.00, 46.66, -68.34
CIELCh	18, 82.750, 304.323
Yxy	2.5180, 0.1530, 0.0702
Android (android.graphics.Color)	4278194579 (0xFF001193)
YUV	26.7370, 59.2897, -23.4483
Hunter-Lab	15.8683, 33.9226, -92.9650

Details

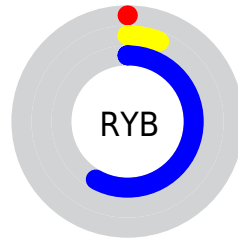
The CIELCh color **18, 82.750, 304.323** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **54, 59.436, 95.143**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 82.249, 304.298**, and **7, 64.918, 306.260** is the 20% darker color. If you saturate the color by 10%, you get **18, 82.937, 304.370**, and if you desaturate by 10%, it is **21, 75.725, 302.387**.

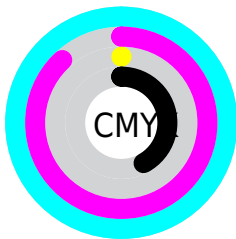
Distribution



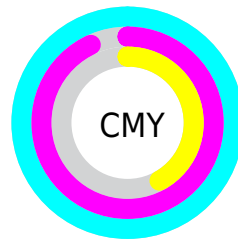
- Red (0%)
- Green (7%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (88%)
- Yellow (0%)
- Black (42%)





- Cyan (100%)
- Magenta (93%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 82.750, 304.323 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, 82.750, 304.323 by changing the saturation by 10% instead.

 18, 82.750,
304.323


 18, 82.750,
304.323


 100, 82.750,
304.323


 8, 82.750, 304.323


 38, 82.750,
304.323

 0, 82.750, 304.323

 48, 82.750,
304.323

 58, 82.750,
304.323


 68, 82.750,
304.323


 78, 82.750,
304.323


 88, 82.750,


304.323


 98, 82.750,
304.323


 18, 82.750,
304.323


 18, 82.750,
304.323


 18, 82.937,
304.370

 21, 75.725,
302.387

 24, 67.194,
299.950

 28, 58.047,
297.383

 33, 48.869,
294.908

 37, 39.921,
292.652

■ 42, 31.288,
290.662

■ 47, 22.977,
288.940

■ 52, 14.971,
287.463

■ 56, 7.246, 286.203

Harmonies

Complementary

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



18, 82.750, 304.323



54, 59.436, 95.143

Rectangle

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



18, 82.750, 304.323



18, 82.750, 354.323



18, 82.750, 124.323



18, 82.750, 174.323

Sweetspot

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



18, 82.752, 304.324



60, 28.801, 289.088



55, 37.111, 180.472



29, 19.944, 289.726



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, 82.752, 304.324



25, 101.967, 304.741



20, 84.516, 309.763



29, 4.239, 286.147



16, 78.714, 304.254



0, 3.656, 285.138

Inverse Universe

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



30, 64.466, 34.116



40, 79.318, 35.240



55, 69.415, 123.342



29, 3.375, 10.735



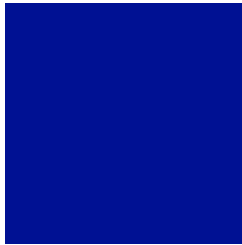
28, 61.376, 33.918



1, 2.873, 10.045

Previews

White Background



This preview shows how the CIE LCh color 18, 82.750, 304.323 looks on a white background.

Color Contrast Check

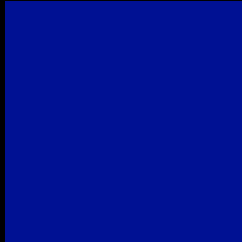
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 82.750, 304.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

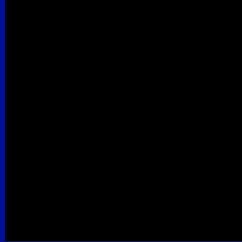
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 82.750, 304.323

Background



This preview shows how black text looks on a background with the CIELCh color 18, 82.750, 304.323.



This preview shows how white text looks on a background with the CIELCh color 18, 82.750, 304.323.

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, 82.750, 304.323

Protanopia

19, 33.978, 282.868

Deuteranopia

19, 23.217, 266.211



Tritanopia
19, 15.657, 204.230

Trichromacy



Original Color
18, 82.750, 304.323

Protanomaly
17, 53.153, 296.262

Deuteranomaly
17, 46.079, 293.159

Tritanomaly
16, 34.377, 285.671

Monochromacy



Original Color
18, 82.750, 304.323

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 34.838, 297.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 82.750, 304.323 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, 17, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 17, 147)  
}
```

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, 17, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 17, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 82.750, 304.323 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, 17, 147) }
```

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

```
.border{ border-color:rgb(0, 17, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 17, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 17, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 17, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 17, 147)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 82.750, 304.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 17, 147) }
```

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

```
.background{ background-color: rgb(0, 17,  
147) }
```

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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