

Converting Colors

CIELCh(18, 79.088, 303.623)

Have a look what the booklet for
CIELCh(18, 79.088, 303.623)
contains.

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Color

CIELCh(18, 78.848, 303.550)

Conversions

Conversions Part 1

Format	Color
Hex	01158F
RGB	1, 21, 143
RGB Percent	0%, 8%, 56%
CMY	0.9972, 0.9180, 0.4396
CMYK	1.00, 0.85, 0.00, 0.44
HSL	231°, 99%, 28%
HSV	231°, 100%, 56%
XYZ	5.2260, 2.5180, 26.1594
YIQ	28.9280, -51.0820, 33.7020

Conversions

Conversions Part 2

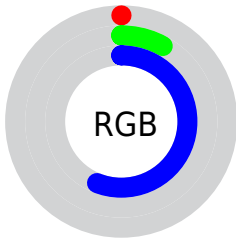
Format	Color
R_{YB}	1, 19, 143
Decimal	71055
CIE _{Lab}	18.00, 43.58, -65.71
CIE _{LCh}	18, 78.848, 303.550
Yxy	2.5180, 0.1541, 0.0743
Android (android.graphics.Color)	4278261135 (0xFF01158F)
YUV	28.9280, 56.2375, -24.4929
Hunter-Lab	15.8683, 31.0165, -86.6336

Details

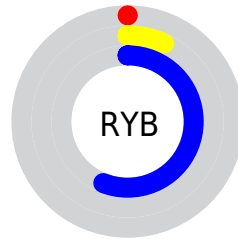
The CIELCh color **18, 78.848, 303.550** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **52, 57.175, 93.001**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 78.954, 303.586**, and **7, 62.805, 306.146** is the 20% darker color. If you saturate the color by 10%, you get **18, 79.169, 303.638**, and if you desaturate by 10%, it is **21, 71.604, 301.370**.

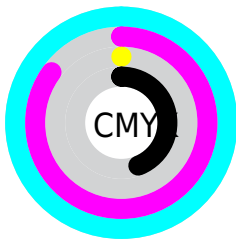
Distribution



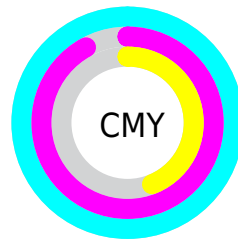
- Red (0%)
- Green (8%)
- Blue (56%)



- Red (0%)
- Yellow (7%)
- Blue (56%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (92%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 78.848, 303.550 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, 78.848, 303.550 by changing the saturation by 10% instead.

■ 18, 78.848,
303.550

■ 18, 78.848,
303.550

■ 100, 78.848,
303.550

■ 8, 78.848, 303.550

■ 38, 78.848,
303.550

■ 0, 78.848, 303.550

■ 48, 78.848,
303.550


■ 58, 78.848,
303.550


■ 68, 78.848,
303.550


■ 78, 78.848,
303.550


■ 88, 78.848,


303.550


 98, 78.848,
303.550


 18, 78.848,
303.550


 18, 78.848,
303.550

 18, 79.169,
303.638

 21, 71.604,
301.370

 24, 63.264,
298.766

 28, 54.548,
296.098

 32, 45.895,
293.563

 37, 37.488,
291.269

■ 41, 29.378,
289.254

■ 46, 21.561,
287.510

■ 50, 14.017,
286.015

■ 55, 6.724, 284.738

Harmonies

Complementary

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



18, 78.848, 303.550



52, 57.175, 93.001

Rectangle

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



18, 78.848, 303.550



18, 78.848, 353.550



18, 78.848, 123.550



18, 78.848, 173.550

Sweetspot

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



18, 78.849, 303.551



59, 27.253, 287.695



53, 37.729, 176.642



28, 18.863, 288.334



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



18, 78.849, 303.551



25, 97.681, 304.086



19, 83.140, 309.233



28, 3.990, 284.699



17, 75.726, 303.523



0, 2.660, 283.672

Inverse Universe

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



29, 61.775, 32.134



39, 76.250, 33.476



54, 67.160, 121.852



28, 3.299, 8.477



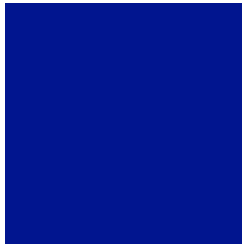
27, 59.390, 32.041



0, 2.172, 7.760

Previews

White Background



This preview shows how the CIE LCh color 18, 78.848, 303.550 looks on a white background.

Color Contrast Check

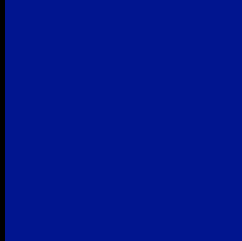
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.848, 303.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

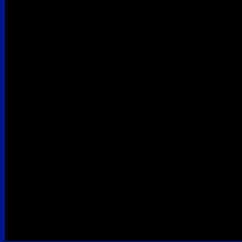
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 78.848, 303.550

Background



This preview shows how black text looks on a background with the CIELCh color 18, 78.848, 303.550.



This preview shows how white text looks on a background with the CIELCh color 18, 78.848, 303.550.

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, 78.848, 303.550

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 23.742, 268.006



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
18, 78.848, 303.550

Protanomaly
18, 51.193, 295.370

Deuteranomaly
17, 44.074, 291.954

Tritanomaly
16, 32.388, 283.554

Monochromacy



Original Color
18, 78.848, 303.550

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 31.778, 295.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 78.848, 303.550 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(1, 21, 143)` looks like.

```
.text, #text, p{  
    color:rgb(1, 21, 143)  
}
```

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(1, 21, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 21, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 78.848, 303.550 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(1, 21, 143) }
```

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

```
.border{ border-color:rgb(1, 21, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 21, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 21, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 21, 143);  
box-shadow:4px 4px 4px 4px rgb(1, 21, 143)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 78.848, 303.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 21, 143) }
```

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

```
.background{ background-color: rgb(1, 21,  
143) }
```

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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