

Converting Colors

CIELCh(18, 88.775, 307.365)

Have a look what the booklet for
CIELCh(18, 88.775, 307.365)
contains.

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Color

CIELCh(18, 88.949, 307.414)

Conversions

Conversions Part 1	
Format	Color
Hex	1F0097
RGB	31, 0, 151
RGB Percent	12%, 0%, 59%
CMY	0.8790, 1.0000, 0.4082
CMYK	0.80, 1.00, 0.00, 0.41
HSL	252°, 100%, 30%
HSV	252°, 100%, 59%
XYZ	6.1374, 2.5180, 29.4010
YIQ	26.4830, -29.9950, 53.5330

Conversions

Conversions Part 2

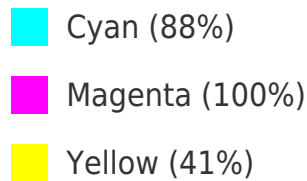
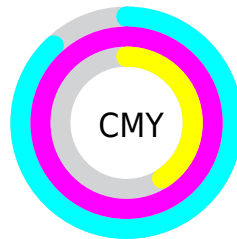
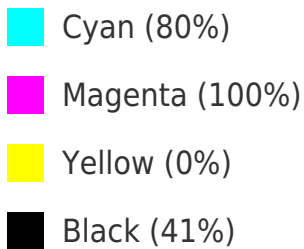
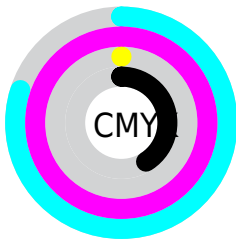
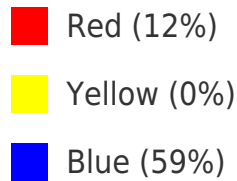
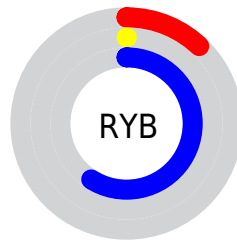
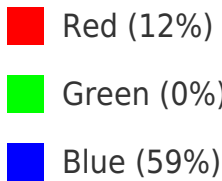
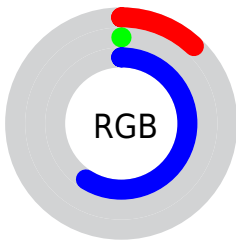
Format	Color
RYB	31, 0, 151
Decimal	2031767
CIELab	18.00, 54.04, -70.65
CIELCh	18, 88.949, 307.414
Yxy	2.5180, 0.1613, 0.0662
Android (android.graphics.Color)	4280221847 (0xFF1F0097)
YUV	26.4830, 61.3869, 3.9614
Hunter-Lab	15.8683, 41.2690, -98.7452

Details

The CIELCh color **18, 88.949, 307.414** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **58, 67.259, 114.771**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 88.917, 307.289**, and **8, 66.393, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 88.919, 307.406**, and if you desaturate by 10%, it is **20, 83.399, 306.947**.


Distribution




Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 88.949, 307.414 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, 88.949, 307.414 by changing the saturation by 10% instead.

 18, 88.949,
307.414

 18, 88.949,
307.414

 100, 88.949,
307.414

 8, 88.949, 307.414

 38, 88.949,
307.414

 0, 88.949, 307.414

 48, 88.949,
307.414

 58, 88.949,
307.414


 68, 88.949,
307.414

 78, 88.949,
307.414

 88, 88.949,


307.414

 98, 88.949,
307.414


 18, 88.949,
307.414


 18, 88.949,
307.414


 18, 88.919,
307.406

 20, 83.399,
306.947

 24, 75.970,
306.207

 28, 66.818,
305.135

 32, 56.889,
303.928

 37, 46.782,
302.720

■ 42, 36.808,
301.585

■ 47, 27.110,
300.558

■ 52, 17.740,
299.649

■ 57, 8.709, 298.852

Harmonies

Complementary

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



18, 88.949, 307.414



58, 67.259, 114.771

Rectangle

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



18, 88.949, 307.414



18, 88.949, 357.414



18, 88.949, 127.414



18, 88.949, 177.414

Sweetspot

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



18, 88.919, 307.406



60, 33.636, 300.617



47, 29.662, 234.886



29, 23.295, 301.004



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, 88.919, 307.406



25, 108.250, 307.267



27, 80.892, 317.512



30, 4.971, 298.796



16, 84.235, 307.453



0, 5.289, 298.029

Inverse Universe

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



34, 66.848, 338.230



45, 80.973, 338.477



55, 77.816, 132.947



30, 5.154, 331.213



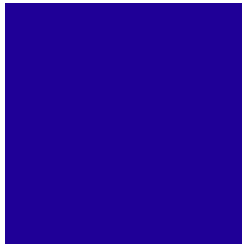
31, 63.431, 338.151



1, 5.483, 331.152

Previews

White Background



This preview shows how the CIELCh color 18, 88.949, 307.414 looks on a white background.

Color Contrast Check

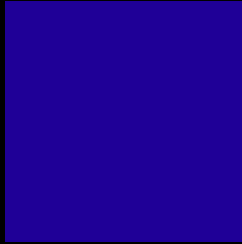
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.949, 307.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

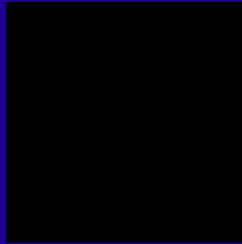
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 88.949, 307.414

Background



This preview shows how black text looks on a background with the CIELCh color 18, 88.949, 307.414.



This preview shows how white text looks on a background with the CIELCh color 18, 88.949, 307.414.

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, 88.949, 307.414

Protanopia

19, 34.543, 282.961

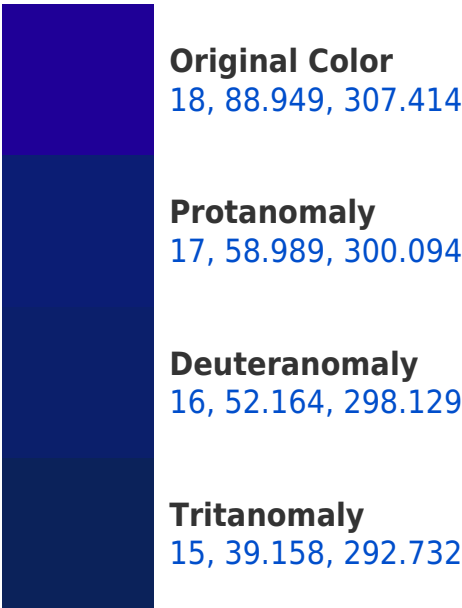
Deuteranopia

19, 24.335, 267.951



Tritanopia
19, 16.168, 201.412

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 88.949, 307.414 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(31, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(31, 0, 151)  
}
```

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(31, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 0, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 88.949, 307.414 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(31, 0, 151) }
```

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

```
.border{ border-color:rgb(31, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(31, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(31, 0, 151)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 88.949, 307.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 0, 151) }
```

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

```
.background{ background-color: rgb(31, 0,  
151) }
```

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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