

Converting Colors

CIELCh(15, 96.269, 304.340)

Have a look what the booklet for
CIELCh(15, 96.269, 304.340)
contains.

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Color

CIELCh(18, 92.819, 306.194)

Conversions

Conversions Part 1

Format	Color
Hex	03029E
RGB	3, 2, 158
RGB Percent	1%, 1%, 62%
CMY	0.9882, 0.9932, 0.3813
CMYK	0.98, 0.99, 0.00, 0.38
HSL	240°, 98%, 31%
HSV	240°, 99%, 62%
XYZ	6.2083, 2.5180, 32.4029
YIQ	20.0830, -49.4800, 48.7280

Conversions

Conversions Part 2

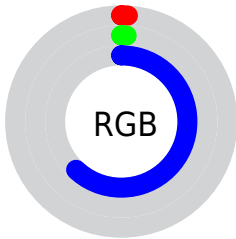
Format	Color
RYB	3, 2, 158
Decimal	197278
CIELab	18.00, 54.81, -74.91
CIELCh	18, 92.819, 306.194
Yxy	2.5180, 0.1509, 0.0612
Android (android.graphics.Color)	4278387358 (0xFF03029E)
YUV	20.0830, 67.9931, -14.9818
Hunter-Lab	15.8683, 42.0659, -109.9615

Details

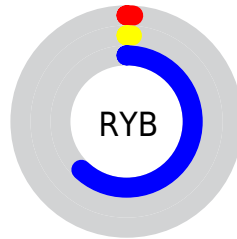
The CIELCh color **18, 92.819, 306.194** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **63, 67.456, 103.374**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **38, 92.824, 306.203**, and **9, 69.692, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 93.427, 306.316**, and if you desaturate by 10%, it is **20, 87.253, 305.091**.

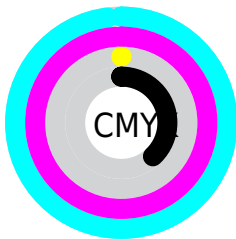
Distribution



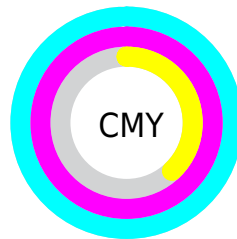
- Red (1%)
- Green (1%)
- Blue (62%)



- Red (1%)
- Yellow (1%)
- Blue (62%)



- Cyan (98%)
- Magenta (99%)
- Yellow (0%)
- Black (38%)



- Cyan (99%)
- Magenta (99%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 92.819, 306.194 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, 92.819, 306.194 by changing the saturation by 10% instead.

 18, 92.819,
306.194

 18, 92.819,
306.194


 100, 92.819,
306.194


 8, 92.819, 306.194


 38, 92.819,
306.194

 0, 92.819, 306.194

 48, 92.819,
306.194

 58, 92.819,
306.194

 68, 92.819,
306.194

 78, 92.819,
306.194


 88, 92.819,


306.194

 98, 92.819,
306.194

 18, 92.819,
306.194


 18, 92.819,
306.194

 18, 93.427,
306.316

 20, 87.253,
305.091

 23, 79.007,
303.442

 28, 68.874,
301.402

 33, 58.083,
299.275

 38, 47.319,
297.260

■ 43, 36.869,
295.453

■ 49, 26.822,
293.880

■ 55, 17.183,
292.531

■ 60, 7.933, 291.384

Harmonies

Complementary

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



18, 92.819, 306.194



63, 67.456, 103.374

Rectangle

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



18, 92.819, 306.194



18, 92.819, 356.194



18, 92.819, 126.194



18, 92.819, 176.194

Sweetspot

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



18, 92.821, 306.195



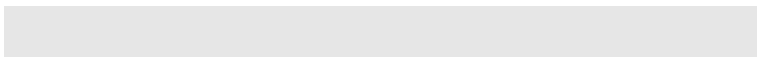
61, 34.450, 294.126



59, 34.935, 196.392



29, 23.642, 294.727



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



18, 92.821, 306.195



25, 113.064, 306.309



24, 86.553, 312.068



30, 5.054, 291.422



15, 86.850, 306.320



0, 6.506, 290.483

Inverse Universe

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



37, 79.989, 328.543



48, 97.053, 328.562



58, 75.688, 127.758



31, 6.071, 325.134



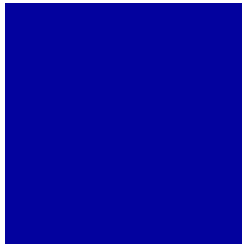
33, 74.578, 328.553



1, 7.889, 324.710

Previews

White Background



This preview shows how the CIE LCh color 18, 92.819, 306.194 looks on a white background.

Color Contrast Check

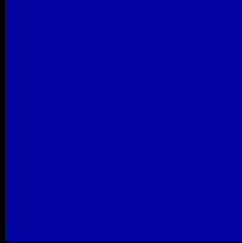
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.819, 306.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

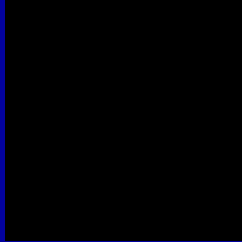
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 92.819, 306.194

Background



This preview shows how black text looks on a background with the CIELCh color 18, 92.819, 306.194.



This preview shows how white text looks on a background with the CIELCh color 18, 92.819, 306.194.

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, 92.843, 306.172

Protanopia

19, 35.167, 283.496

Deuteranopia

19, 24.335, 267.951



Tritanopia
19, 16.168, 201.412

Trichromacy



Original Color
18, 92.843, 306.172

Protanomaly
17, 60.274, 299.368

Deuteranomaly
16, 53.463, 297.237

Tritanomaly
15, 40.626, 291.757

Monochromacy



Original Color
18, 92.843, 306.172

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 41.717, 302.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 92.819, 306.194 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(3, 2, 158)` looks like.

```
.text, #text, p{  
    color:rgb(3, 2, 158)  
}
```

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(3, 2, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 2, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 92.819, 306.194 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(3, 2, 158) }
```

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

```
.border{ border-color:rgb(3, 2, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 2, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 2, 158); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 2, 158); box-shadow:4px  
4px 4px 4px rgb(3, 2, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 92.819, 306.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 2, 158) }
```

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

```
.background{ background-color: rgb(3, 2,  
158) }
```

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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