

Converting Colors

CIELCh(18, 86.859, 305.219)

Have a look what the booklet for
CIELCh(18, 86.859, 305.219)
contains.

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Color

CIELCh(18, 86.857, 305.257)

Conversions

Conversions Part 1

Format	Color
Hex	040B97
RGB	4, 11, 151
RGB Percent	2%, 4%, 59%
CMY	0.9838, 0.9556, 0.4066
CMYK	0.97, 0.93, 0.00, 0.41
HSL	237°, 95%, 30%
HSV	237°, 97%, 59%
XYZ	5.7859, 2.5180, 29.5895
YIQ	24.8670, -49.1120, 42.0560

Conversions

Conversions Part 2

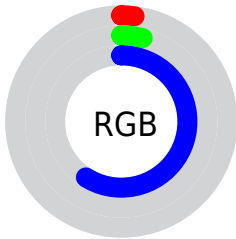
Format	Color
R_{YB}	4, 11, 151
Decimal	265111
CIE _{Lab}	18.00, 50.14, -70.92
CIE _{LCh}	18, 86.857, 305.257
Yxy	2.5180, 0.1527, 0.0665
Android (android.graphics.Color)	4278455191 (0xFF040B97)
YUV	24.8670, 62.1836, -18.3004
Hunter-Lab	15.8683, 37.3151, -99.4497

Details

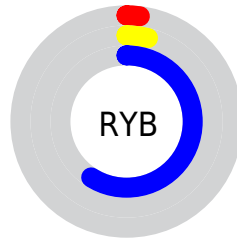
The CIELCh color **18, 86.857, 305.257** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 62.789, 99.848**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **38, 87.141, 305.273**, and **8, 66.393, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **17, 88.232, 305.542**, and if you desaturate by 10%, it is **20, 80.250, 303.694**.

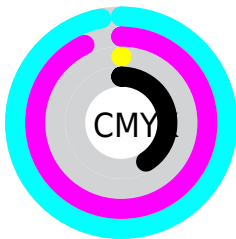
Distribution



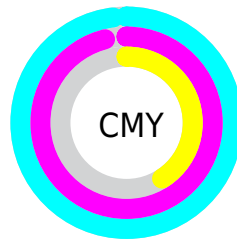
- Red (2%)
- Green (4%)
- Blue (59%)



- Red (2%)
- Yellow (4%)
- Blue (59%)



- Cyan (97%)
- Magenta (93%)
- Yellow (0%)
- Black (41%)





- Cyan (98%)
- Magenta (96%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 86.857, 305.257 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, 86.857, 305.257 by changing the saturation by 10% instead.

 18, 86.857,
305.257

 18, 86.857,
305.257


 100, 86.857,
305.257


 8, 86.857, 305.257


 38, 86.857,
305.257

 0, 86.857, 305.257

 48, 86.857,
305.257

 58, 86.857,
305.257


 68, 86.857,
305.257

 78, 86.857,
305.257


 88, 86.857,


305.257


 98, 86.857,
305.257


 18, 86.857,
305.257


 18, 86.857,
305.257

 17, 88.232,
305.542

 20, 80.250,
303.694

 24, 71.419,
301.582

 28, 61.577,
299.260

 33, 51.544,
296.979

 38, 41.714,
294.885

■ 43, 32.227,
293.035

■ 48, 23.112,
291.436

■ 54, 14.355,
290.068

■ 59, 5.931, 288.906

Harmonies

Complementary

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



18, 86.857, 305.257



59, 62.789, 99.848

Rectangle

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



18, 86.857, 305.257



18, 86.857, 355.257



18, 86.857, 125.257



18, 86.857, 175.257

Sweetspot

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



18, 86.859, 305.258



61, 30.543, 291.784



56, 35.137, 189.286



29, 21.291, 292.408



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, 86.859, 305.258



24, 107.768, 305.744



22, 83.980, 311.047



30, 4.674, 289.120



16, 83.270, 305.472



0, 4.979, 288.191

Inverse Universe

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



31, 67.202, 36.793



41, 83.855, 38.203



56, 71.651, 125.814



30, 3.442, 15.939



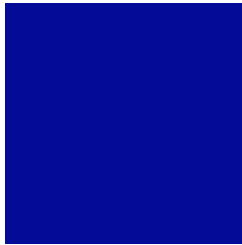
28, 64.497, 37.086



1, 3.608, 15.414

Previews

White Background



This preview shows how the CIELCh color 18, 86.857, 305.257 looks on a white background.

Color Contrast Check

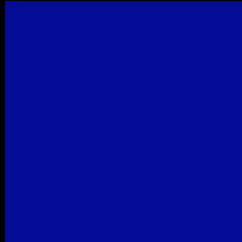
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.857, 305.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

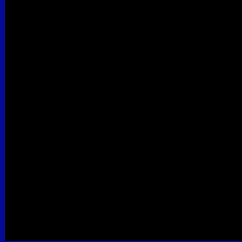
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 86.857, 305.257

Background



This preview shows how black text looks on a background with the CIELCh color 18, 86.857, 305.257.



This preview shows how white text looks on a background with the CIELCh color 18, 86.857, 305.257.

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, 86.826, 305.285

Protanopia

19, 33.978, 282.868

Deuteranopia

19, 23.763, 267.403



Tritanopia
19, 15.971, 201.489

Trichromacy



Original Color
18, 86.826, 305.285

Protanomaly
17, 55.774, 297.687

Deuteranomaly
17, 48.780, 295.034

Tritanomaly
16, 36.433, 288.382

Monochromacy



Original Color
18, 86.826, 305.285

Achromatopsia
9, 0.002, 296.813

Achromatomaly
10, 37.151, 299.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 86.857, 305.257 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(4, 11, 151)` looks like.

```
.text, #text, p{  
    color:rgb(4, 11, 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(4, 11, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 11, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 86.857, 305.257 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(4, 11, 151) }
```

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

```
.border{ border-color:rgb(4, 11, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 11, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 11, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 11, 151);  
box-shadow:4px 4px 4px 4px rgb(4, 11, 151)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 86.857, 305.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 11, 151) }
```

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

```
.background{ background-color: rgb(4, 11,  
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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