

Converting Colors

CIELCh(16, 88.197, 306.288)

Have a look what the booklet for
CIELCh(16, 88.197, 306.288)
contains.

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Color

CIELCh(16, 88.235, 306.341)

Conversions

Conversions Part 1

Format	Color
Hex	030092
RGB	3, 0, 146
RGB Percent	1%, 0%, 57%
CMY	0.9899, 0.9995, 0.4269
CMYK	0.98, 1.00, 0.00, 0.43
HSL	241°, 100%, 29%
HSV	241°, 100%, 57%
XYZ	5.2334, 2.0993, 27.3857
YIQ	17.5410, -45.0780, 46.0420

Conversions

Conversions Part 2

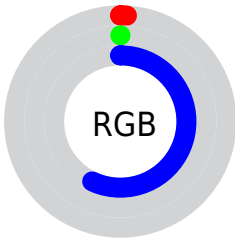
Format	Color
R_{YB}	3, 0, 146
Decimal	196754
CIE _{Lab}	16.00, 52.29, -71.07
CIE _{LCh}	16, 88.235, 306.341
Yxy	2.0993, 0.1507, 0.0605
Android (android.graphics.Color)	4278386834 (0xFF030092)
YUV	17.5410, 63.3303, -12.7525
Hunter-Lab	14.4890, 39.1183, -101.9221

Details

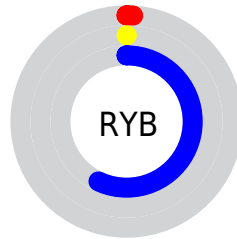
The CIELCh color **16, 88.235, 306.341** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 64.004, 103.870**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **36, 87.907, 306.325**, and **7, 64.406, 306.240** is the 20% darker color. If you saturate the color by 10%, you get **16, 88.285, 306.353**, and if you desaturate by 10%, it is **18, 82.736, 305.198**.

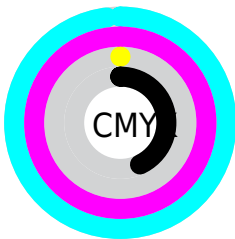
Distribution



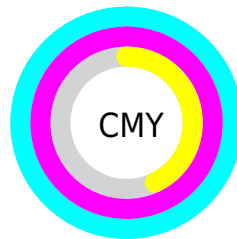
- Red (1%)
- Green (0%)
- Blue (57%)



- Red (1%)
- Yellow (0%)
- Blue (57%)



- Cyan (98%)
- Magenta (100%)
- Yellow (0%)
- Black (43%)



- Cyan (99%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 88.235, 306.341 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 16, 88.235, 306.341 by changing the saturation by 10% instead.

■ 16, 88.235,
306.341

■ 16, 88.235,
306.341

■ 100, 88.235,
306.341

■ 6, 88.235, 306.341

■ 36, 88.235,
306.341

■ 0, 88.235, 306.341

■ 46, 88.235,
306.341


■ 56, 88.235,
306.341


■ 66, 88.235,
306.341


■ 76, 88.235,
306.341


■ 86, 88.235,

306.341


 96, 88.235,
306.341


 16, 88.235,
306.341


 16, 88.235,
306.341


 16, 88.285,
306.353

 18, 82.736,
305.198

 21, 75.109,
303.624

 25, 65.664,
301.655

 30, 55.556,
299.585

 35, 45.440,
297.612

■ 40, 35.602,
295.835

■ 45, 26.134,
294.281

■ 50, 17.046,
292.945

■ 55, 8.323, 291.807

Harmonies

Complementary

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



16, 88.235, 306.341



59, 64.004, 103.870

Rectangle

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



16, 88.235, 306.341



16, 88.235, 356.341



16, 88.235, 126.341



16, 88.235, 176.341

Sweetspot

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



16, 88.237, 306.342



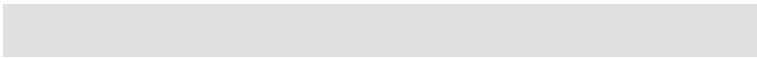
58, 32.683, 294.385



54, 32.337, 198.962



28, 22.654, 294.960



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



16, 88.237, 306.342



23, 107.697, 306.334



22, 81.925, 312.495



28, 4.781, 291.734



15, 84.531, 306.357



0, 4.114, 290.836

Inverse Universe

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



34, 75.337, 328.893



45, 91.871, 328.908



54, 72.189, 128.275



29, 5.710, 325.359



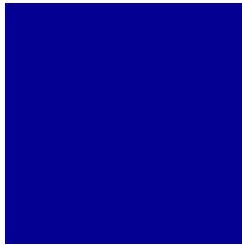
32, 72.161, 328.890



1, 4.967, 324.885

Previews

White Background



This preview shows how the CIELCh color 16, 88.235, 306.341 looks on a white background.

Color Contrast Check

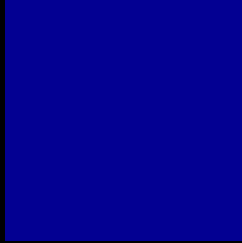
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 88.235, 306.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

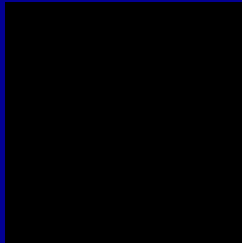
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 88.235, 306.341

Background



This preview shows how black text looks on a background with the CIELCh color 16, 88.235, 306.341.



This preview shows how white text looks on a background with the CIELCh color 16, 88.235, 306.341.

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

16, 88.196, 306.368

Protanopia

18, 32.211, 282.074

Deuteranopia

18, 22.616, 266.211



Tritanopia
18, 15.376, 201.737

Trichromacy



Original Color
16, 88.196, 306.368

Protanomaly
15, 57.001, 299.389

Deuteranomaly
15, 50.705, 297.268

Tritanomaly
14, 38.988, 292.000

Monochromacy



Original Color
16, 88.196, 306.368

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 39.554, 302.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 88.235, 306.341 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, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(3, 0, 146)  
}
```

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, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 88.235, 306.341 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, 0, 146) }
```

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

```
.border{ border-color:rgb(3, 0, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 0, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 146); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 146); box-shadow:4px  
4px 4px 4px rgb(3, 0, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 88.235, 306.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 0, 146) }
```

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

```
.background{ background-color: rgb(3, 0,  
146) }
```

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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