

Converting Colors

CIELCh(16, 85.956, 305.988)

Have a look what the booklet for
CIELCh(16, 85.956, 305.988)
contains.

CIELCh(16, 86.244, 306.034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 86.244, 306.034)

Conversions

Conversions Part 1

Format	Color
Hex	030390
RGB	3, 3, 144
RGB Percent	1%, 1%, 56%
CMY	0.9880, 0.9882, 0.4352
CMYK	0.98, 0.98, 0.00, 0.44
HSL	240°, 96%, 29%
HSV	240°, 98%, 56%
XYZ	5.1063, 2.0993, 26.5287
YIQ	19.0740, -45.2610, 43.8510

Conversions

Conversions Part 2

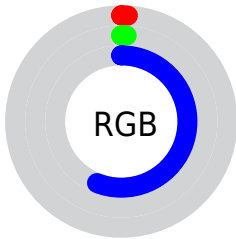
Format	Color
R_{YB}	3, 3, 144
Decimal	197520
CIE _{Lab}	16.00, 50.73, -69.74
CIE _{LCh}	16, 86.244, 306.034
Yxy	2.0993, 0.1514, 0.0622
Android (android.graphics.Color)	4278387600 (0xFF030390)
YUV	19.0740, 61.5885, -14.0969
Hunter-Lab	14.4890, 37.5522, -98.4151

Details

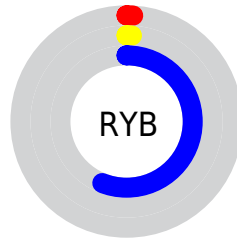
The CIELCh color **16, 86.244, 306.034** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **58, 62.845, 102.929**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **36, 86.368, 306.065**, and **7, 63.349, 306.184** is the 20% darker color. If you saturate the color by 10%, you get **16, 87.434, 306.289**, and if you desaturate by 10%, it is **18, 80.557, 304.809**.

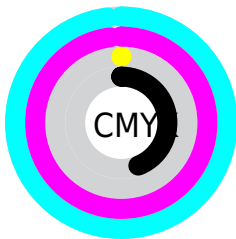
Distribution



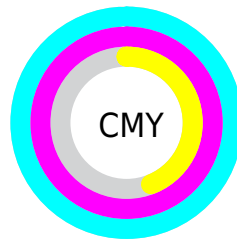
- Red (1%)
- Green (1%)
- Blue (56%)



- Red (1%)
- Yellow (1%)
- Blue (56%)



- Cyan (98%)
- Magenta (98%)
- Yellow (0%)
- Black (44%)



- Cyan (99%)
- Magenta (99%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 86.244, 306.034 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, 86.244, 306.034 by changing the saturation by 10% instead.

■ 16, 86.244,
306.034

■ 16, 86.244,
306.034

■ 100, 86.244,
306.034

■ 6, 86.244, 306.034

■ 36, 86.244,
306.034

■ 0, 86.244, 306.034

■ 46, 86.244,
306.034


■ 56, 86.244,
306.034


■ 66, 86.244,
306.034


■ 76, 86.244,
306.034


■ 86, 86.244,


306.034


 96, 86.244,
306.034


 16, 86.244,
306.034


 16, 86.244,
306.034


 16, 87.434,
306.289

 18, 80.557,
304.809

 21, 72.518,
303.050

 25, 62.942,
300.954

 30, 52.889,
298.809

 35, 42.921,
296.799

■ 40, 33.265,
295.005

■ 45, 23.985,
293.447

■ 51, 15.082,
292.114

■ 56, 6.535, 290.981

Harmonies

Complementary

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



16, 86.244, 306.034



58, 62.845, 102.929

Rectangle

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



16, 86.244, 306.034



16, 86.244, 356.034



16, 86.244, 126.034



16, 86.244, 176.034

Sweetspot

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



16, 86.246, 306.035



57, 30.832, 293.693



54, 32.605, 196.399



27, 21.494, 294.279



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



16, 86.246, 306.035



22, 105.631, 306.288



22, 80.411, 312.172



27, 4.642, 291.113



14, 83.487, 306.289



0, 3.085, 290.194

Inverse Universe

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



34, 75.030, 328.228



44, 91.198, 328.249



53, 70.362, 127.568



28, 5.607, 324.919



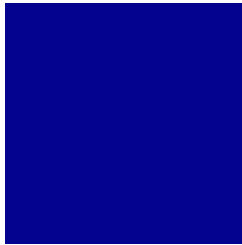
32, 72.080, 328.249



1, 3.766, 324.450

Previews

White Background



This preview shows how the CIELCh color 16, 86.244, 306.034 looks on a white background.

Color Contrast Check

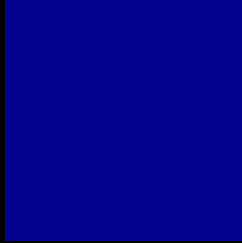
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.244, 306.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

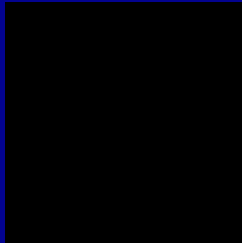
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 86.244, 306.034

Background



This preview shows how black text looks on a background with the CIELCh color 16, 86.244, 306.034.



This preview shows how white text looks on a background with the CIELCh color 16, 86.244, 306.034.

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, 86.244, 306.034

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 15.063, 204.619

Trichromacy



Original Color
16, 86.244, 306.034

Protanomaly
15, 55.100, 298.704

Deuteranomaly
15, 48.723, 296.366

Tritanomaly
14, 37.575, 290.842

Monochromacy



Original Color
16, 86.244, 306.034

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 37.642, 301.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 86.244, 306.034 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, 3, 144)` looks like.

```
.text, #text, p{  
    color:rgb(3, 3, 144)  
}
```

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, 3, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 3, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 86.244, 306.034 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, 3, 144) }
```

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

```
.border{ border-color:rgb(3, 3, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 3, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 3, 144); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 3, 144); box-shadow:4px  
4px 4px 4px rgb(3, 3, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 86.244, 306.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 3, 144) }
```

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

```
.background{ background-color: rgb(3, 3,  
144) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor