

Converting Colors

CIELCh(16, 80.116, 304.760)

Have a look what the booklet for
CIELCh(16, 80.116, 304.760)
contains.

CIELCh(16, 80.364, 304.803)	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, 80.364, 304.803)

Conversions

Conversions Part 1

Format	Color
Hex	000C8A
RGB	0, 12, 138
RGB Percent	0%, 5%, 54%
CMY	0.9997, 0.9529, 0.4588
CMYK	1.00, 0.91, 0.00, 0.46
HSL	235°, 100%, 27%
HSV	235°, 100%, 54%
XYZ	4.7213, 2.0993, 24.2079
YIQ	22.7760, -47.5980, 36.6420

Conversions

Conversions Part 2

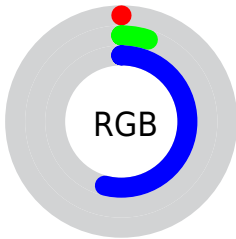
Format	Color
RYB	0, 11, 138
Decimal	3210
CIELab	16.00, 45.87, -65.99
CIELCh	16, 80.364, 304.803
Yxy	2.0993, 0.1522, 0.0677
Android (android.graphics.Color)	4278193290 (0xFF000C8A)
YUV	22.7760, 56.8054, -19.9746
Hunter-Lab	14.4890, 32.8091, -88.9182

Details

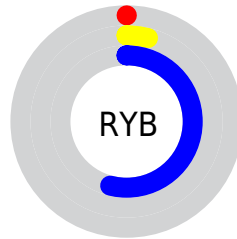
The CIELCh color **16, 80.364, 304.803** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **52, 57.790, 97.152**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **36, 80.466, 304.822**, and **6, 59.932, 305.864** is the 20% darker color. If you saturate the color by 10%, you get **16, 80.399, 304.812**, and if you desaturate by 10%, it is **18, 74.002, 303.109**.

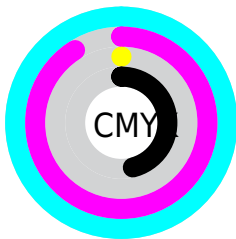
Distribution



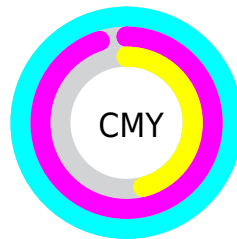
- Red (0%)
- Green (5%)
- Blue (54%)



- Red (0%)
- Yellow (4%)
- Blue (54%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (95%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 80.364, 304.803 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, 80.364, 304.803 by changing the saturation by 10% instead.

■ 16, 80.364,
304.803

■ 16, 80.364,
304.803

■ 100, 80.364,
304.803

■ 6, 80.364, 304.803

■ 36, 80.364,
304.803

■ 0, 80.364, 304.803

■ 46, 80.364,
304.803


■ 56, 80.364,
304.803


■ 66, 80.364,
304.803


■ 76, 80.364,
304.803


■ 86, 80.364,


304.803

 96, 80.364,
304.803


 16, 80.364,
304.803


 16, 80.364,
304.803


 16, 80.399,
304.812

 18, 74.002,
303.109

 22, 65.931,
300.846

 26, 57.077,
298.401

 30, 48.103,
296.013

 34, 39.320,
293.819

■ 39, 30.840,
291.878

■ 44, 22.681,
290.194

■ 48, 14.829,
288.749

■ 53, 7.263, 287.516

Harmonies

Complementary

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



16, 80.364, 304.803



52, 57.790, 97.152

Rectangle

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



16, 80.364, 304.803



16, 80.364, 354.803



16, 80.364, 124.803



16, 80.364, 174.803

Sweetspot

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



16, 80.366, 304.804



56, 28.078, 290.305



51, 34.773, 182.578



26, 19.213, 290.893



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



16, 80.366, 304.804



22, 98.278, 305.150



19, 80.467, 310.121



27, 4.112, 287.428



15, 77.922, 304.748



0, 1.881, 286.452

Inverse Universe

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



28, 62.448, 35.358



37, 76.384, 36.404



52, 66.638, 123.956



27, 3.164, 12.893



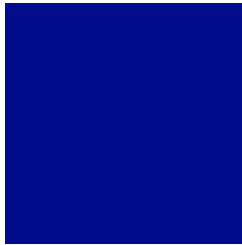
27, 60.507, 35.116



0, 1.428, 12.251

Previews

White Background



This preview shows how the CIE LCh color 16, 80.364, 304.803 looks on a white background.

Color Contrast Check

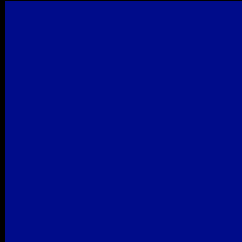
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.364, 304.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

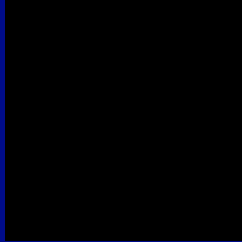
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 80.364, 304.803

Background



This preview shows how black text looks on a background with the CIELCh color 16, 80.364, 304.803.



This preview shows how white text looks on a background with the CIELCh color 16, 80.364, 304.803.

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, 80.364, 304.803

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 22.011, 266.210



Tritanopia
17, 14.976, 201.916

Trichromacy



Original Color
16, 80.364, 304.803

Protanomaly
15, 51.854, 297.218

Deuteranomaly
15, 45.356, 294.412

Tritanomaly
14, 33.475, 287.067

Monochromacy



Original Color
16, 80.364, 304.803

Achromatopsia
8, 0.002, 296.812

Achromatomaly
9, 33.942, 298.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 80.364, 304.803 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(0, 12, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 12, 138)  
}
```

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(0, 12, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 12, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 80.364, 304.803 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(0, 12, 138) }
```

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

```
.border{ border-color:rgb(0, 12, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 12, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 12, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 12, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 12, 138)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 80.364, 304.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 12, 138) }
```

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

```
.background{ background-color: rgb(0, 12,  
138) }
```

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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