

Converting Colors

CIELCh(16, 79.014, 305.017)

Have a look what the booklet for
CIELCh(16, 79.014, 305.017)
contains.

CIELCh(16, 79.117, 305.045)	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, 79.117, 305.045)

Conversions

Conversions Part 1

Format	Color
Hex	080C88
RGB	8, 12, 136
RGB Percent	3%, 5%, 53%
CMY	0.9673, 0.9526, 0.4663
CMYK	0.94, 0.91, 0.00, 0.47
HSL	238°, 88%, 28%
HSV	238°, 94%, 53%
XYZ	4.6876, 2.0993, 23.4868
YIQ	24.9400, -42.1880, 37.7160

Conversions

Conversions Part 2

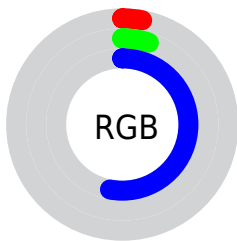
Format	Color
RYB	8, 12, 136
Decimal	527496
CIELab	16.00, 45.43, -64.77
CIELCh	16, 79.117, 305.045
Yxy	2.0993, 0.1548, 0.0693
Android (android.graphics.Color)	4278717576 (0xFF080C88)
YUV	24.9400, 54.7526, -14.8564
Hunter-Lab	14.4890, 32.3945, -85.9673

Details

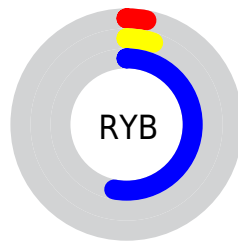
The CIELCh color **16, 79.117, 305.045** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **54, 58.108, 101.266**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **36, 79.357, 304.992**, and **6, 59.326, 305.787** is the 20% darker color. If you saturate the color by 10%, you get **15, 82.374, 305.778**, and if you desaturate by 10%, it is **19, 72.325, 303.375**.

Distribution



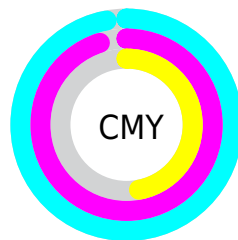
- Red (3%)
- Green (5%)
- Blue (53%)



- Red (3%)
- Yellow (5%)
- Blue (53%)



- Cyan (94%)
- Magenta (91%)
- Yellow (0%)
- Black (47%)



- Cyan (97%)
- Magenta (95%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 79.117, 305.045 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, 79.117, 305.045 by changing the saturation by 10% instead.

■ 16, 79.117,
305.045

■ 16, 79.117,
305.045

■ 100, 79.117,
305.045

■ 6, 79.117, 305.045

■ 36, 79.117,
305.045

■ 0, 79.117, 305.045

■ 46, 79.117,
305.045


■ 56, 79.117,
305.045


■ 66, 79.117,
305.045


■ 76, 79.117,
305.045


■ 86, 79.117,


305.045


 96, 79.117,
305.045


 16, 79.117,
305.045


 16, 79.117,
305.045


 15, 82.374,
305.778

 19, 72.325,
303.375

 22, 63.743,
301.265

 26, 54.457,
299.022

 31, 45.118,
296.865

 36, 36.015,
294.908

■ 40, 27.244,
293.191

■ 45, 18.821,
291.712

■ 50, 10.728,
290.447

■ 55, 2.943, 289.380

Harmonies

Complementary

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



16, 79.117, 305.045



54, 58.108, 101.266

Rectangle

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



16, 79.117, 305.045



16, 79.117, 355.045



16, 79.117, 125.045



16, 79.117, 175.045

Sweetspot

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



16, 79.118, 305.046



55, 27.485, 292.384



51, 31.757, 191.789



26, 19.270, 292.961



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, 79.118, 305.046



21, 99.932, 305.913



21, 75.748, 311.559



26, 4.368, 289.920



14, 80.790, 305.762



0, 1.996, 288.986

Inverse Universe

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



28, 60.791, 36.270



36, 77.832, 38.744



51, 65.430, 126.035



27, 3.148, 17.504



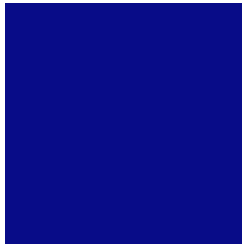
27, 62.217, 37.495



0, 1.416, 16.962

Previews

White Background



This preview shows how the CIE LCh color 16, 79.117, 305.045 looks on a white background.

Color Contrast Check

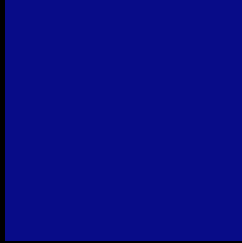
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 16, 79.117, 305.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

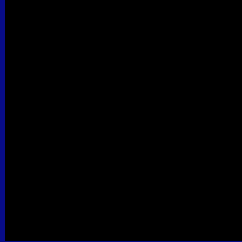
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 79.117, 305.045

Background



This preview shows how black text looks on a background with the CIELCh color 16, 79.117, 305.045.



This preview shows how white text looks on a background with the CIELCh color 16, 79.117, 305.045.

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, 79.117, 305.045

Protanopia

17, 31.060, 281.829

Deuteranopia

17, 21.467, 264.875



Tritanopia
17, 14.976, 201.916

Trichromacy



Original Color
16, 79.117, 305.045

Protanomaly
15, 51.178, 297.339

Deuteranomaly
15, 44.025, 294.297

Tritanomaly
14, 33.406, 287.757

Monochromacy



Original Color
16, 79.117, 305.045

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 33.055, 299.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 79.117, 305.045 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(8, 12, 136)` looks like.

```
.text, #text, p{  
    color:rgb(8, 12, 136)  
}
```

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(8, 12, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 12, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 79.117, 305.045 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(8, 12, 136) }
```

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

```
.border{ border-color:rgb(8, 12, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 12, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 12, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 12, 136);  
box-shadow:4px 4px 4px 4px rgb(8, 12, 136)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 79.117, 305.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 12, 136) }
```

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

```
.background{ background-color: rgb(8, 12,  
136) }
```

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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