

Converting Colors

CIELCh(16, 81.698, 304.997)

Have a look what the booklet for
CIELCh(16, 81.698, 304.997)
contains.

CIELCh(16, 82.056, 305.096)	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, 82.056, 305.096)

Conversions

Conversions Part 1

Format	Color
Hex	000A8C
RGB	0, 10, 140
RGB Percent	0%, 4%, 55%
CMY	1.0000, 0.9614, 0.4516
CMYK	1.00, 0.93, 0.00, 0.45
HSL	236°, 100%, 27%
HSV	236°, 100%, 55%
XYZ	4.8229, 2.0993, 24.9031
YIQ	21.8300, -47.6900, 38.3100

Conversions

Conversions Part 2

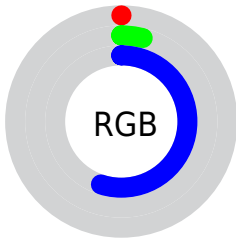
Format	Color
RYB	0, 9, 140
Decimal	2700
CIELab	16.00, 47.18, -67.14
CIELCh	16, 82.056, 305.096
Yxy	2.0993, 0.1515, 0.0660
Android (android.graphics.Color)	4278192780 (0xFF000A8C)
YUV	21.8300, 58.2578, -19.1449
Hunter-Lab	14.4890, 34.0613, -91.7631

Details

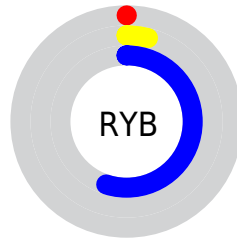
The CIELCh color **16, 82.056, 305.096** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **54, 58.984, 98.278**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **36, 82.084, 305.145**, and **6, 61.112, 305.997** is the 20% darker color. If you saturate the color by 10%, you get **16, 82.041, 305.113**, and if you desaturate by 10%, it is **18, 75.933, 303.568**.

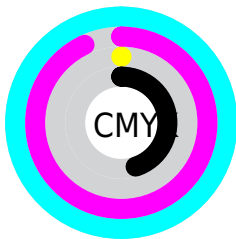
Distribution



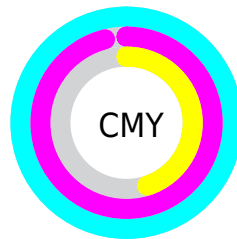
- Red (0%)
- Green (4%)
- Blue (55%)



- Red (0%)
- Yellow (4%)
- Blue (55%)



- Cyan (100%)
- Magenta (93%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (96%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 82.056, 305.096 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, 82.056, 305.096 by changing the saturation by 10% instead.

■ 16, 82.056,
305.096

■ 16, 82.056,
305.096

■ 100, 82.056,
305.096

■ 6, 82.056, 305.096

■ 36, 82.056,
305.096

■ 0, 82.056, 305.096

■ 46, 82.056,
305.096

■ 56, 82.056,
305.096


■ 66, 82.056,
305.096


■ 76, 82.056,
305.096


■ 86, 82.056,


305.096

 96, 82.056,
305.096


 16, 82.056,
305.096


 16, 82.056,
305.096


 16, 82.041,
305.113

 18, 75.933,
303.568

 22, 67.864,
301.412

 25, 58.842,
299.033

 30, 49.619,
296.683

 34, 40.565,
294.512

■ 39, 31.816,
292.587

■ 44, 23.401,
290.915

■ 49, 15.310,
289.482

■ 53, 7.520, 288.259

Harmonies

Complementary

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



16, 82.056, 305.096



54, 58.984, 98.278

Rectangle

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



16, 82.056, 305.096



16, 82.056, 355.096



16, 82.056, 125.096



16, 82.056, 175.096

Sweetspot

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



16, 82.041, 305.113



56, 28.927, 291.014



52, 34.499, 184.686



27, 20.035, 291.614



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



16, 82.041, 305.113



22, 100.244, 305.410



19, 81.013, 310.416



27, 4.184, 288.163



15, 78.725, 305.038



0, 1.913, 287.200

Inverse Universe

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



28, 63.665, 36.174



38, 77.921, 37.176



52, 67.674, 124.647



27, 3.158, 14.191



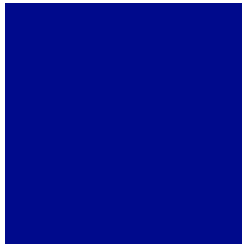
27, 60.989, 35.815



0, 1.423, 13.575

Previews

White Background



This preview shows how the CIE LCh color 16, 82.056, 305.096 looks on a white background.

Color Contrast Check

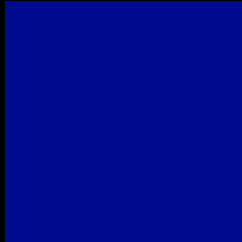
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.056, 305.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

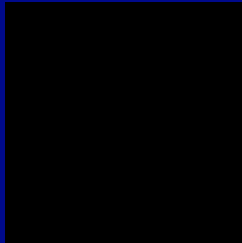
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 82.056, 305.096

Background



This preview shows how black text looks on a background with the CIELCh color 16, 82.056, 305.096.



This preview shows how white text looks on a background with the CIELCh color 16, 82.056, 305.096.

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, 82.056, 305.096

Protanopia

17, 32.326, 283.059

Deuteranopia

17, 22.011, 266.210



Tritanopia
17, 15.176, 201.825

Trichromacy



Original Color
16, 82.056, 305.096

Protanomaly
15, 52.470, 297.394

Deuteranomaly
15, 45.356, 294.412

Tritanomaly
14, 34.784, 288.038

Monochromacy



Original Color
16, 82.056, 305.096

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 34.750, 298.981

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 16, 82.056, 305.096 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, 10, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 10, 140)  
}
```

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, 10, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 10, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 82.056, 305.096 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, 10, 140) }
```

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

```
.border{ border-color:rgb(0, 10, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 10, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 10, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 10, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 10, 140)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 82.056, 305.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 10, 140) }
```

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

```
.background{ background-color: rgb(0, 10,  
140) }
```

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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