

Converting Colors

CIELCh(17, 84.712, 304.992)

Have a look what the booklet for
CIELCh(17, 84.712, 304.992)
contains.

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Color

CIELCh(17, 84.583, 305.089)

Conversions

Conversions Part 1

Format	Color
Hex	000B92
RGB	0, 11, 146
RGB Percent	0%, 4%, 57%
CMY	1.0000, 0.9576, 0.4281
CMYK	1.00, 0.93, 0.00, 0.43
HSL	236°, 100%, 29%
HSV	236°, 100%, 57%
XYZ	5.2869, 2.3023, 27.2956
YIQ	23.1010, -49.8910, 39.6530

Conversions

Conversions Part 2

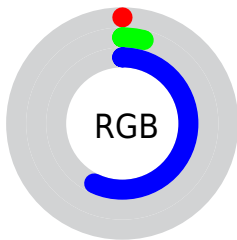
Format	Color
RYB	0, 10, 146
Decimal	2962
CIELab	17.00, 48.62, -69.21
CIELCh	17, 84.583, 305.089
Yxy	2.3023, 0.1516, 0.0660
Android (android.graphics.Color)	4278193042 (0xFF000B92)
YUV	23.1010, 60.5892, -20.2596
Hunter-Lab	15.1734, 35.6412, -96.0357

Details

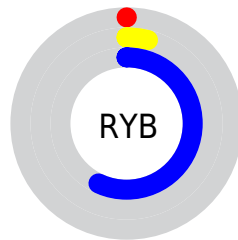
The CIELCh color **17, 84.583, 305.089** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **56, 60.645, 97.986**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **37, 84.623, 305.211**, and **7, 64.406, 306.240** is the 20% darker color. If you saturate the color by 10%, you get **17, 84.567, 305.106**, and if you desaturate by 10%, it is **19, 78.276, 303.535**.

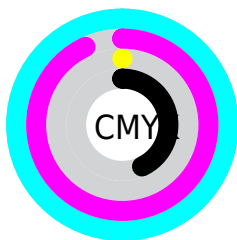
Distribution



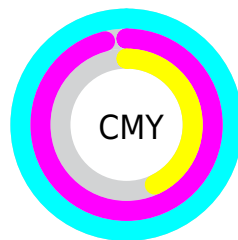
- Red (0%)
- Green (4%)
- Blue (57%)



- Red (0%)
- Yellow (4%)
- Blue (57%)



- Cyan (100%)
- Magenta (93%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (96%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 84.583, 305.089 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 17, 84.583, 305.089 by changing the saturation by 10% instead.

■ 17, 84.583,
305.089

■ 17, 84.583,
305.089

■ 100, 84.583,
305.089

■ 7, 84.583, 305.089

■ 37, 84.583,
305.089

■ 0, 84.583, 305.089

■ 47, 84.583,
305.089

■ 57, 84.583,
305.089

■ 67, 84.583,
305.089

■ 77, 84.583,
305.089

■ 87, 84.583,


305.089


 97, 84.583,
305.089


 17, 84.583,
305.089


 17, 84.583,
305.089


 17, 84.567,
305.106

 19, 78.276,
303.535

 23, 69.953,
301.356

 27, 60.649,
298.954

 31, 51.140,
296.582

 36, 41.807,
294.392

■ 41, 32.790,
292.449

■ 46, 24.118,
290.764

■ 51, 15.779,
289.319

■ 56, 7.750, 288.087

Harmonies

Complementary

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



17, 84.583, 305.089



56, 60.645, 97.986

Rectangle

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



17, 84.583, 305.089



17, 84.583, 355.089



17, 84.583, 125.089



17, 84.583, 175.089

Sweetspot

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



17, 84.567, 305.106



58, 29.792, 290.860



54, 35.582, 184.645



28, 20.408, 291.467



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



17, 84.567, 305.106



24, 103.314, 305.393



20, 83.565, 310.375



29, 4.422, 287.999



16, 80.873, 305.026



0, 3.811, 287.021

Inverse Universe

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



30, 65.700, 36.242



39, 80.305, 37.124



54, 69.811, 124.709



29, 3.354, 13.886



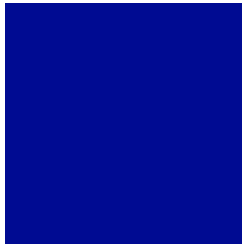
28, 62.758, 35.911



1, 2.849, 13.253

Previews

White Background



This preview shows how the CIE LCh color 17, 84.583, 305.089 looks on a white background.

Color Contrast Check

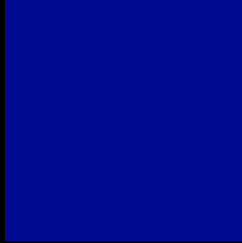
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 84.583, 305.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

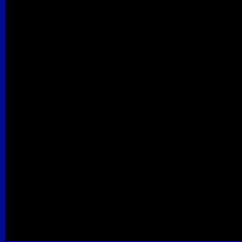
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 84.583, 305.089

Background



This preview shows how black text looks on a background with the CIELCh color 17, 84.583, 305.089.



This preview shows how white text looks on a background with the CIELCh color 17, 84.583, 305.089.

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


17, 84.583, 305.089

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 23.166, 267.441



Tritanopia
18, 15.574, 201.652

Trichromacy



Original Color
17, 84.583, 305.089

Protanomaly
16, 54.808, 297.770

Deuteranomaly
16, 47.778, 295.032

Tritanomaly
15, 35.263, 287.563

Monochromacy



Original Color
17, 84.583, 305.089

Achromatopsia
8, 0.002, 296.812

Achromatomaly
9, 35.970, 299.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 84.583, 305.089 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, 11, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 11, 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(0, 11, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 11, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 84.583, 305.089 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, 11, 146) }
```

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

```
.border{ border-color:rgb(0, 11, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 11, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 11, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 11, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 11, 146)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 84.583, 305.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 11, 146) }
```

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

```
.background{ background-color: rgb(0, 11,  
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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