

Converting Colors

CIELCh(17, 88.685, 305.799)

Have a look what the booklet for
CIELCh(17, 88.685, 305.799)
contains.

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Color

CIELCh(17, 88.403, 305.772)

Conversions

Conversions Part 1

Format	Color
Hex	000596
RGB	0, 5, 150
RGB Percent	0%, 2%, 59%
CMY	1.0000, 0.9808, 0.4122
CMYK	1.00, 0.97, 0.00, 0.41
HSL	238°, 100%, 29%
HSV	238°, 100%, 59%
XYZ	5.5448, 2.3023, 28.9613
YIQ	20.0350, -49.5250, 44.0350

Conversions

Conversions Part 2

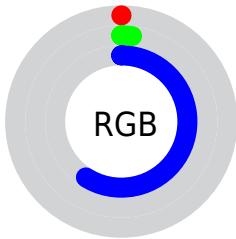
Format	Color
RYB	0, 5, 150
Decimal	1430
CIELab	17.00, 51.68, -71.73
CIELCh	17, 88.403, 305.772
Yxy	2.3023, 0.1506, 0.0625
Android (android.graphics.Color)	4278191510 (0xFF000596)
YUV	20.0350, 64.0727, -17.5707
Hunter-Lab	15.1734, 38.6753, -102.5447

Details

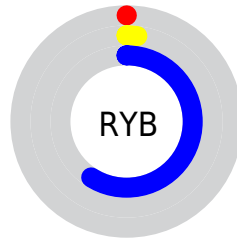
The CIELCh color **17, 88.403, 305.772** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 63.675, 100.795**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **37, 88.330, 305.636**, and **8, 65.912, 306.284** is the 20% darker color. If you saturate the color by 10%, you get **17, 88.392, 305.783**, and if you desaturate by 10%, it is **19, 82.723, 304.531**.

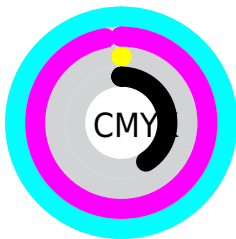
Distribution



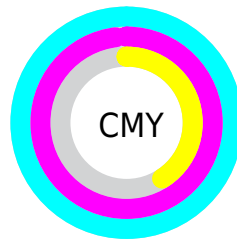
- Red (0%)
- Green (2%)
- Blue (59%)



- Red (0%)
- Yellow (2%)
- Blue (59%)



- Cyan (100%)
- Magenta (97%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (98%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 88.403, 305.772 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, 88.403, 305.772 by changing the saturation by 10% instead.

■ 17, 88.403,
305.772

■ 17, 88.403,
305.772

■ 100, 88.403,
305.772

■ 7, 88.403, 305.772

■ 37, 88.403,
305.772

■ 0, 88.403, 305.772

■ 47, 88.403,
305.772

■ 57, 88.403,
305.772

■ 67, 88.403,
305.772

■ 77, 88.403,
305.772

■ 87, 88.403,


305.772

 97, 88.403,
305.772


 17, 88.403,
305.772


 17, 88.403,
305.772

 17, 88.392,
305.783

 19, 82.723,
304.531

 22, 74.586,
302.646

 26, 64.952,
300.430

 31, 54.856,
298.168

 36, 44.849,
296.046

■ 41, 35.154,
294.150

■ 46, 25.832,
292.502

■ 52, 16.883,
291.089

■ 57, 8.283, 289.887

Harmonies

Complementary

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



17, 88.403, 305.772



59, 63.675, 100.795

Rectangle

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



17, 88.403, 305.772



17, 88.403, 355.772



17, 88.403, 125.772



17, 88.403, 175.772

Sweetspot

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



17, 88.392, 305.783



59, 31.889, 292.593



56, 34.603, 191.477



28, 21.861, 293.196



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



17, 88.392, 305.783



24, 107.397, 305.918



22, 84.398, 311.350



29, 4.622, 289.798



15, 82.933, 305.730



0, 3.979, 288.851

Inverse Universe

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



31, 68.595, 38.119



40, 83.649, 38.761



56, 72.419, 126.627



29, 3.343, 17.250



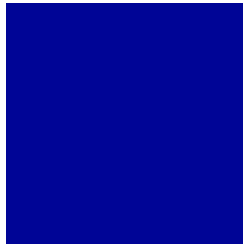
28, 64.065, 37.631



1, 2.833, 16.693

Previews

White Background



This preview shows how the CIELCh color 17, 88.403, 305.772 looks on a white background.

Color Contrast Check

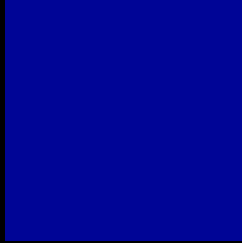
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.403, 305.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

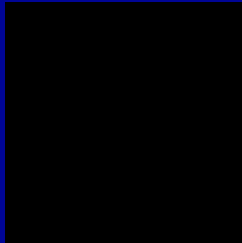
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 88.403, 305.772

Background



This preview shows how black text looks on a background with the CIELCh color 17, 88.403, 305.772.



This preview shows how white text looks on a background with the CIELCh color 17, 88.403, 305.772.

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, 88.403, 305.772

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
17, 88.403, 305.772

Protanomaly
16, 56.725, 298.502

Deuteranomaly
16, 49.770, 296.014

Tritanomaly
15, 38.049, 290.160

Monochromacy



Original Color
17, 88.403, 305.772

Achromatopsia
6, 0.002, 296.812

Achromatomaly
8, 38.376, 300.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 88.403, 305.772 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, 5, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 5, 150)  
}
```

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, 5, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 5, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 88.403, 305.772 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, 5, 150) }
```

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

```
.border{ border-color:rgb(0, 5, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 5, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 5, 150); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 5, 150); box-shadow:4px  
4px 4px 4px rgb(0, 5, 150) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 88.403, 305.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 5, 150) }
```

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

```
.background{ background-color: rgb(0, 5,  
150) }
```

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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