

Converting Colors

CIELCh(17, 89.871, 306.165)

Have a look what the booklet for
CIELCh(17, 89.871, 306.165)
contains.

CIELCh(17, 89.735, 306.160)	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(17, 89.735, 306.160)

Conversions

Conversions Part 1

Format	Color
Hex	030297
RGB	3, 2, 151
RGB Percent	1%, 1%, 59%
CMY	0.9871, 0.9919, 0.4076
CMYK	0.98, 0.99, 0.00, 0.41
HSL	240°, 97%, 30%
HSV	240°, 99%, 59%
XYZ	5.6545, 2.3023, 29.4531
YIQ	19.2850, -47.2330, 46.5510

Conversions

Conversions Part 2

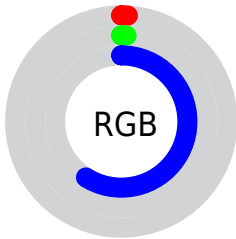
Format	Color
RYB	3, 2, 151
Decimal	197271
CIELab	17.00, 52.95, -72.45
CIELCh	17, 89.735, 306.160
Yxy	2.3023, 0.1511, 0.0615
Android (android.graphics.Color)	4278387351 (0xFF030297)
YUV	19.2850, 64.9355, -14.2819
Hunter-Lab	15.1734, 39.9658, -104.4660

Details

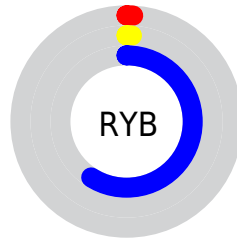
The CIELCh color **17, 89.735, 306.160** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **60, 65.273, 103.380**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **37, 89.849, 306.195**, and **8, 66.393, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **17, 90.497, 306.318**, and if you desaturate by 10%, it is **19, 84.134, 305.012**.

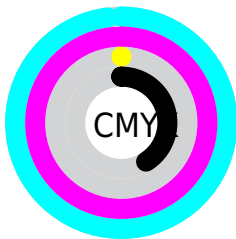
Distribution



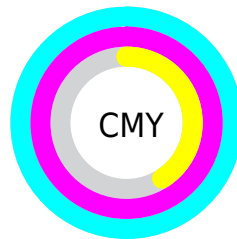
- Red (1%)
- Green (1%)
- Blue (59%)



- Red (1%)
- Yellow (1%)
- Blue (59%)



- Cyan (98%)
- Magenta (99%)
- Yellow (0%)
- Black (41%)



- Cyan (99%)
- Magenta (99%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 89.735, 306.160 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, 89.735, 306.160 by changing the saturation by 10% instead.

■ 17, 89.735,
306.160

■ 17, 89.735,
306.160

■ 100, 89.735,
306.160

■ 7, 89.735, 306.160

■ 37, 89.735,
306.160

■ 0, 89.735, 306.160

■ 47, 89.735,
306.160


■ 57, 89.735,
306.160


■ 67, 89.735,
306.160


■ 77, 89.735,
306.160


■ 87, 89.735,

306.160


 97, 89.735,
306.160


 17, 89.735,
306.160


 17, 89.735,
306.160


 17, 90.497,
306.318

 19, 84.134,
305.012

 22, 76.035,
303.339

 27, 66.196,
301.295

 31, 55.771,
299.178

 36, 45.392,
297.178

■ 42, 35.321,
295.387

■ 47, 25.639,
293.828

■ 53, 16.349,
292.492

■ 58, 7.432, 291.355

Harmonies

Complementary

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



17, 89.735, 306.160



60, 65.273, 103.380

Rectangle

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



17, 89.735, 306.160



17, 89.735, 356.160



17, 89.735, 126.160



17, 89.735, 176.160

Sweetspot

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



17, 89.737, 306.161



59, 33.391, 294.116



56, 33.819, 196.394



28, 23.148, 294.710



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



17, 89.737, 306.161



24, 109.877, 306.310



23, 83.673, 312.112



29, 4.918, 291.418



15, 85.717, 306.321



0, 5.230, 290.495

Inverse Universe

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



36, 77.417, 328.539



47, 94.319, 328.562



56, 73.177, 127.683



30, 5.907, 325.132



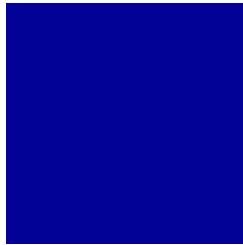
33, 73.606, 328.553



1, 6.346, 324.687

Previews

White Background



This preview shows how the CIELCh color 17, 89.735, 306.160 looks on a white background.

Color Contrast Check

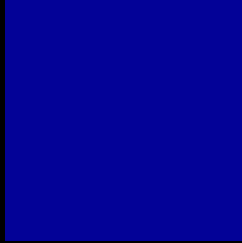
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 89.735, 306.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

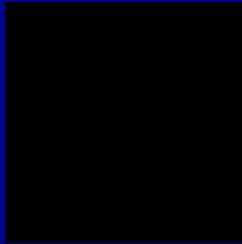
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 89.735, 306.160

Background



This preview shows how black text looks on a background with the CIELCh color 17, 89.735, 306.160.



This preview shows how white text looks on a background with the CIELCh color 17, 89.735, 306.160.

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, 89.735, 306.160

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
17, 89.735, 306.160

Protanomaly
16, 58.001, 299.120

Deuteranomaly
16, 51.107, 296.826

Tritanomaly
14, 39.432, 291.495

Monochromacy



Original Color
17, 89.735, 306.160

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 39.726, 301.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 89.735, 306.160 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(3, 2, 151)` looks like.

```
.text, #text, p{  
    color:rgb(3, 2, 151)  
}
```

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(3, 2, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 2, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 89.735, 306.160 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(3, 2, 151) }
```

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

```
.border{ border-color:rgb(3, 2, 151) }
```

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

Here you see how a box with a 4 pixel rgb(3, 2, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 2, 151); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 2, 151); box-shadow:4px  
4px 4px 4px rgb(3, 2, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 89.735, 306.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 2, 151) }
```

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

```
.background{ background-color: rgb(3, 2,  
151) }
```

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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