

Converting Colors

CIELCh(17, 89.154, 306.687)

Have a look what the booklet for
CIELCh(17, 89.154, 306.687)
contains.

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Color

CIELCh(17, 89.450, 306.719)

Conversions

Conversions Part 1

Format	Color
Hex	100096
RGB	16, 0, 150
RGB Percent	6%, 0%, 59%
CMY	0.9386, 1.0000, 0.4123
CMYK	0.90, 1.00, 0.00, 0.41
HSL	246°, 100%, 29%
HSV	246°, 100%, 59%
XYZ	5.7010, 2.3023, 28.9447
YIQ	21.8840, -38.6140, 50.0420

Conversions

Conversions Part 2

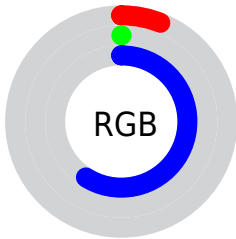
Format	Color
R_{YB}	16, 0, 150
Decimal	1048726
CIE _{Lab}	17.00, 53.48, -71.70
CIE _{LCh}	17, 89.450, 306.719
Yxy	2.3023, 0.1543, 0.0623
Android (android.graphics.Color)	4279238806 (0xFF100096)
YUV	21.8840, 63.1612, -5.1603
Hunter-Lab	15.1734, 40.5131, -102.4797

Details

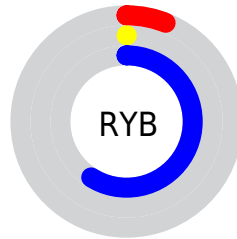
The CIELCh color **17, 89.450, 306.719** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 65.682, 109.124**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **37, 89.729, 306.760**, and **8, 65.912, 306.284** is the 20% darker color. If you saturate the color by 10%, you get **17, 89.410, 306.708**, and if you desaturate by 10%, it is **19, 83.865, 305.868**.

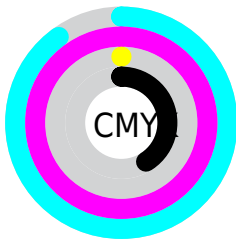
Distribution



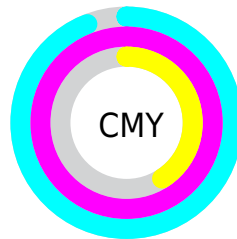
- Red (6%)
- Green (0%)
- Blue (59%)



- Red (6%)
- Yellow (0%)
- Blue (59%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)



- Cyan (94%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 89.450, 306.719 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, 89.450, 306.719 by changing the saturation by 10% instead.

■ 17, 89.450,
306.719

■ 17, 89.450,
306.719

■ 100, 89.450,
306.719

■ 7, 89.450, 306.719

■ 37, 89.450,
306.719

■ 0, 89.450, 306.719

■ 47, 89.450,
306.719


■ 57, 89.450,
306.719


■ 67, 89.450,
306.719

■ 77, 89.450,
306.719


■ 87, 89.450,

306.719


 97, 89.450,
306.719


 17, 89.450,
306.719


 17, 89.450,
306.719


 17, 89.410,
306.708

 19, 83.865,
305.868

 22, 76.230,
304.701

 26, 66.810,
303.176

 31, 56.677,
301.537

 36, 46.465,
299.949

■ 41, 36.473,
298.494

■ 46, 26.817,
297.205

■ 52, 17.526,
296.083

■ 57, 8.596, 295.115

Harmonies

Complementary

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



17, 89.450, 306.719



59, 65.682, 109.124

Rectangle

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



17, 89.450, 306.719



17, 89.450, 356.719



17, 89.450, 126.719



17, 89.450, 176.719

Sweetspot

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



17, 89.410, 306.708



59, 33.107, 297.277



51, 30.062, 213.868



28, 22.693, 297.750



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, 89.410, 306.708



24, 108.260, 306.623



25, 82.058, 314.587



29, 4.796, 295.043



15, 84.010, 306.743



0, 4.128, 294.279

Inverse Universe

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



34, 71.725, 332.796



45, 86.592, 332.897



55, 75.451, 130.717



29, 5.376, 327.898



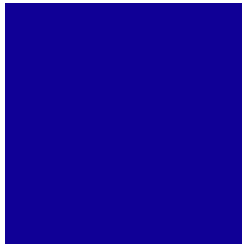
31, 67.471, 332.758



1, 4.674, 327.404

Previews

White Background



This preview shows how the CIELCh color 17, 89.450, 306.719 looks on a white background.

Color Contrast Check

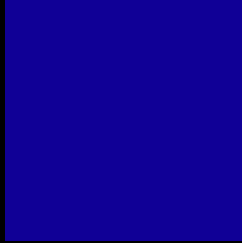
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.450, 306.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

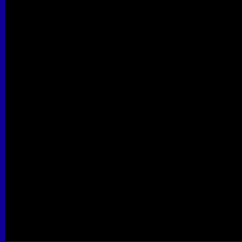
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 89.450, 306.719

Background



This preview shows how black text looks on a background with the CIELCh color 17, 89.450, 306.719.



This preview shows how white text looks on a background with the CIELCh color 17, 89.450, 306.719.

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, 89.450, 306.719

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
17, 89.450, 306.719

Protanomaly
16, 58.586, 299.878

Deuteranomaly
15, 51.122, 297.639

Tritanomaly
14, 39.444, 292.769

Monochromacy



Original Color
17, 89.450, 306.719

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 39.513, 303.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 89.450, 306.719 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(16, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(16, 0, 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(16, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 89.450, 306.719 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(16, 0, 150) }
```

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

```
.border{ border-color:rgb(16, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(16, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(16, 0, 150)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 89.450, 306.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 0, 150) }
```

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

```
.background{ background-color: rgb(16, 0,  
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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