

Converting Colors

CIELCh(17, 89.626, 306.733)

Have a look what the booklet for
CIELCh(17, 89.626, 306.733)
contains.

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Color

CIELCh(17, 89.497, 306.685)

Conversions

Conversions Part 1

Format	Color
Hex	0F0096
RGB	15, 0, 150
RGB Percent	6%, 0%, 59%
CMY	0.9413, 1.0000, 0.4118
CMYK	0.90, 1.00, 0.00, 0.41
HSL	246°, 100%, 29%
HSV	246°, 100%, 59%
XYZ	5.6997, 2.3023, 28.9916
YIQ	21.5850, -39.2100, 49.8300

Conversions

Conversions Part 2

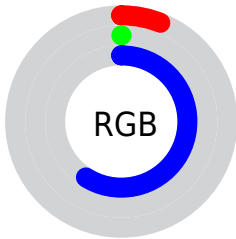
Format	Color
R_{YB}	15, 0, 150
Decimal	983190
CIE _{Lab}	17.00, 53.47, -71.77
CIE _{LCh}	17, 89.497, 306.685
Yxy	2.3023, 0.1541, 0.0622
Android (android.graphics.Color)	4279173270 (0xFF0F0096)
YUV	21.5850, 63.3086, -5.7750
Hunter-Lab	15.1734, 40.4982, -102.6629

Details

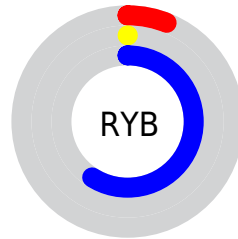
The CIELCh color **17, 89.497, 306.685** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 65.677, 108.851**, and the grayscale version is **7, 0.002, 296.812**.

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, 89.492, 306.684**, and if you desaturate by 10%, it is **19, 83.950, 305.828**.

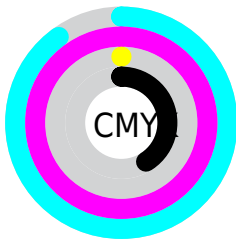
Distribution



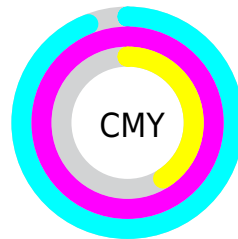
- Red (6%)
- Green (0%)
- Blue (59%)



- 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, 89.497, 306.685 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, 89.497, 306.685 by changing the saturation by 10% instead.

■ 17, 89.497,
306.685

■ 17, 89.497,
306.685

■ 100, 89.497,
306.685

■ 7, 89.497, 306.685

■ 37, 89.497,
306.685

■ 0, 89.497, 306.685

■ 47, 89.497,
306.685


■ 57, 89.497,
306.685


■ 67, 89.497,
306.685

■ 77, 89.497,
306.685

■ 87, 89.497,

306.685


 97, 89.497,
306.685


 17, 89.497,
306.685


 17, 89.497,
306.685

 17, 89.492,
306.684

 19, 83.950,
305.828

 22, 76.304,
304.640

 26, 66.868,
303.093

 31, 56.718,
301.432

 36, 46.493,
299.824

■ 41, 36.491,
298.353

■ 46, 26.828,
297.051

■ 52, 17.533,
295.917

■ 57, 8.599, 294.941

Harmonies

Complementary

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



17, 89.497, 306.685



59, 65.677, 108.851

Rectangle

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



17, 89.497, 306.685



17, 89.497, 356.685



17, 89.497, 126.685



17, 89.497, 176.685

Sweetspot

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



17, 89.492, 306.684



59, 33.102, 297.123



52, 30.503, 210.638



28, 22.690, 297.601



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, 89.492, 306.684



24, 108.296, 306.602



24, 82.385, 314.138



29, 4.795, 294.868



15, 84.042, 306.719



0, 4.127, 294.098

Inverse Universe

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



34, 72.020, 332.570



45, 86.908, 332.666



55, 75.132, 130.279



29, 5.393, 327.756



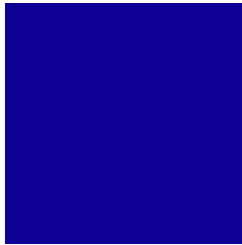
31, 67.711, 332.534



1, 4.690, 327.262

Previews

White Background



This preview shows how the CIE LCh color 17, 89.497, 306.685 looks on a white background.

Color Contrast Check

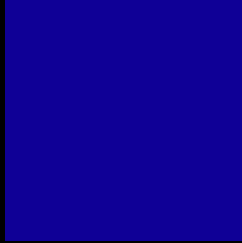
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.497, 306.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

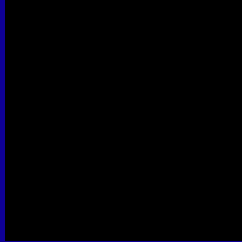
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 89.497, 306.685

Background



This preview shows how black text looks on a background with the CIELCh color 17, 89.497, 306.685.



This preview shows how white text looks on a background with the CIELCh color 17, 89.497, 306.685.

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, 89.497, 306.685

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
17, 89.497, 306.685

Protanomaly
16, 58.606, 299.804

Deuteranomaly
15, 51.141, 297.540

Tritanomaly
14, 39.462, 292.600

Monochromacy



Original Color
17, 89.497, 306.685

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 40.202, 303.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 89.497, 306.685 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(15, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 89.497, 306.685 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(15, 0, 150) }
```

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

```
.border{ border-color:rgb(15, 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(15, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(15, 0, 150)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 89.497, 306.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 0, 150) }
```

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

```
.background{ background-color: rgb(15, 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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