

Converting Colors

CIELCh(17, 73.371, 302.584)

Have a look what the booklet for
CIELCh(17, 73.371, 302.584)
contains.

CIELCh(17, 73.099, 302.658)	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, 73.099, 302.658)

Conversions

Conversions Part 1

Format	Color
Hex	001786
RGB	0, 23, 134
RGB Percent	0%, 9%, 53%
CMY	1.0000, 0.9111, 0.4761
CMYK	1.00, 0.83, 0.00, 0.48
HSL	230°, 100%, 26%
HSV	230°, 100%, 52%
XYZ	4.5604, 2.3023, 22.6128
YIQ	28.7770, -49.3390, 29.6450

Conversions

Conversions Part 2

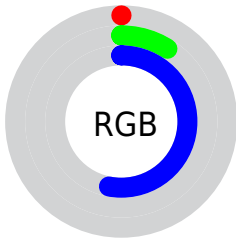
Format	Color
RYB	0, 20, 134
Decimal	6022
CIELab	17.00, 39.45, -61.54
CIELCh	17, 73.099, 302.658
Yxy	2.3023, 0.1547, 0.0781
Android (android.graphics.Color)	4278196102 (0xFF001786)
YUV	28.7770, 51.8749, -25.2374
Hunter-Lab	15.1734, 27.0948, -77.7380

Details

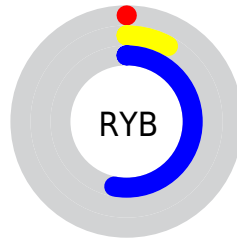
The CIELCh color **17, 73.099, 302.658** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **47, 53.777, 90.831**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 72.950, 302.604**, and **6, 58.084, 305.611** is the 20% darker color. If you saturate the color by 10%, you get **17, 73.070, 302.711**, and if you desaturate by 10%, it is **20, 66.013, 300.365**.

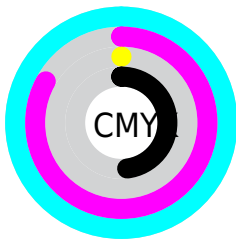
Distribution



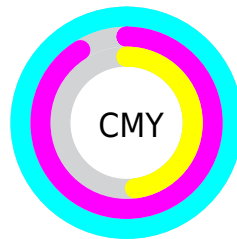
- Red (0%)
- Green (9%)
- Blue (53%)



- Red (0%)
- Yellow (8%)
- Blue (53%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (91%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 73.099, 302.658 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, 73.099, 302.658 by changing the saturation by 10% instead.

■ 17, 73.099,
302.658

■ 17, 73.099,
302.658

■ 100, 73.099,
302.658

■ 7, 73.099, 302.658

■ 37, 73.099,
302.658

■ 0, 73.099, 302.658

■ 47, 73.099,
302.658


■ 57, 73.099,
302.658

■ 67, 73.099,
302.658

■ 77, 73.099,
302.658


■ 87, 73.099,


302.658


 97, 73.099,
302.658

 17, 73.099,
302.658


 17, 73.099,
302.658


 17, 73.070,
302.711

 20, 66.013,
300.365

 23, 58.212,
297.629

 27, 50.200,
294.878

 31, 42.299,
292.289

 35, 34.637,
289.955

■ 39, 27.239,
287.907

■ 43, 20.096,
286.134

■ 47, 13.189,
284.611

■ 52, 6.498, 283.308

Harmonies

Complementary

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



17, 73.099, 302.658



47, 53.777, 90.831

Rectangle

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



17, 73.099, 302.658



17, 73.099, 352.658



17, 73.099, 122.658



17, 73.099, 172.658

Sweetspot

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



17, 73.070, 302.711



55, 24.893, 286.244



50, 37.433, 173.079



26, 17.009, 286.853



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



17, 73.070, 302.711



23, 90.063, 303.251



17, 79.854, 308.805



26, 3.638, 283.204



16, 71.503, 302.645



0, 0.861, 282.166

Inverse Universe

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



27, 57.820, 30.082



36, 70.827, 31.372



51, 63.403, 120.279



26, 3.124, 6.317



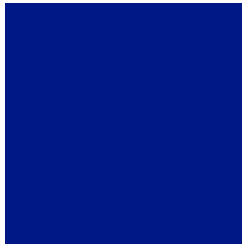
26, 56.626, 29.928



0, 0.731, 5.587

Previews

White Background



This preview shows how the CIE LCh color 17, 73.099, 302.658 looks on a white background.

Color Contrast Check

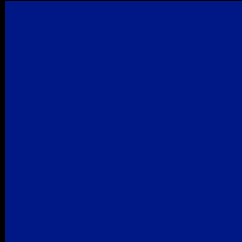
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.099, 302.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

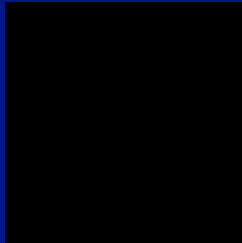
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 73.099, 302.658

Background



This preview shows how black text looks on a background with the CIELCh color 17, 73.099, 302.658.



This preview shows how white text looks on a background with the CIELCh color 17, 73.099, 302.658.

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, 73.099, 302.658

Protanopia

17, 32.899, 283.154

Deuteranopia

17, 22.589, 266.843



Tritanopia
18, 15.376, 201.737

Trichromacy



Original Color
17, 73.099, 302.658

Protanomaly
17, 48.186, 294.592

Deuteranomaly
16, 40.984, 290.735

Tritanomaly
16, 29.899, 281.560

Monochromacy



Original Color
17, 73.099, 302.658

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 28.965, 293.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 73.099, 302.658 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, 23, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 23, 134)  
}
```

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, 23, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 23, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 73.099, 302.658 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, 23, 134) }
```

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

```
.border{ border-color:rgb(0, 23, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 23, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 23, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 23, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 23, 134)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 73.099, 302.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 23, 134) }
```

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

```
.background{ background-color: rgb(0, 23,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor