

Converting Colors

CIELCh(17, 69.759, 312.757)

Have a look what the booklet for
CIELCh(17, 69.759, 312.757)
contains.

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Color

CIELCh(17, 70.070, 312.735)

Conversions

Conversions Part 1

Format	Color
Hex	3D0076
RGB	61, 0, 118
RGB Percent	24%, 0%, 46%
CMY	0.7607, 0.9999, 0.5371
CMYK	0.48, 1.00, 0.00, 0.54
HSL	271°, 100%, 23%
HSV	271°, 100%, 46%
XYZ	5.1983, 2.3023, 17.3186
YIQ	31.6910, -1.5220, 49.6300

Conversions

Conversions Part 2

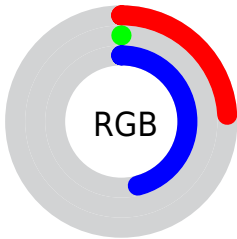
Format	Color
RYB	61, 0, 118
Decimal	3997814
CIELab	17.00, 47.55, -51.47
CIElCh	17, 70.070, 312.735
Yxy	2.3023, 0.2094, 0.0928
Android (android.graphics.Color)	4282187894 (0xFF3D0076)
YUV	31.6910, 42.5503, 25.7040
Hunter-Lab	15.1734, 34.5988, -57.0508

Details

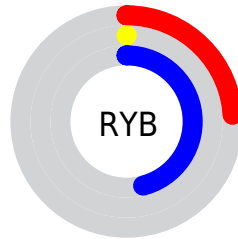
The CIELCh color **17, 70.070, 312.735** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **44, 61.673, 127.948**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 69.743, 312.805**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **17, 70.081, 312.736**, and if you desaturate by 10%, it is **19, 65.697, 312.919**.

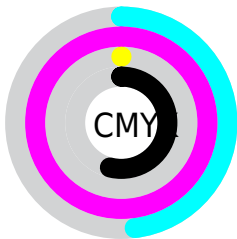
Distribution



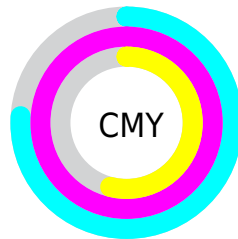
- Red (24%)
- Green (0%)
- Blue (46%)



- Red (24%)
- Yellow (0%)
- Blue (46%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (54%)



- Cyan (76%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 70.070, 312.735 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, 70.070, 312.735 by changing the saturation by 10% instead.

■ 17, 70.070,
312.735

■ 17, 70.070,
312.735

■ 100, 70.070,
312.735

■ 7, 70.070, 312.735

■ 37, 70.070,
312.735

■ 0, 70.070, 312.735

■ 47, 70.070,
312.735


■ 57, 70.070,
312.735


■ 67, 70.070,
312.735


■ 77, 70.070,
312.735


■ 87, 70.070,


312.735


 97, 70.070,
312.735


 17, 70.070,
312.735

 17, 70.070,
312.735


 17, 70.081,
312.736

 19, 65.697,
312.919

 21, 60.497,
313.003

 24, 53.984,
312.820

 27, 46.638,
312.464

 31, 38.850,
312.011

■ 34, 30.895,
311.516

■ 38, 22.948,
311.014

■ 42, 15.114,
310.528

■ 46, 7.452, 310.067

Harmonies

Complementary

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



17, 70.070, 312.735



44, 61.673, 127.948

Rectangle

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



17, 70.070, 312.735



17, 70.070, 2.735



17, 70.070, 132.735



17, 70.070, 182.735

Sweetspot

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



17, 70.070, 312.736



49, 28.428, 311.053



24, 40.605, 283.750



23, 19.345, 311.217



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



17, 70.070, 312.736



24, 84.783, 312.456



27, 64.583, 328.878



23, 4.177, 310.025



18, 71.959, 312.692



41, 122.678, 312.079

Inverse Universe

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



24, 47.979, 1.722



32, 57.800, 2.907



43, 67.401, 136.248



23, 3.313, 345.251



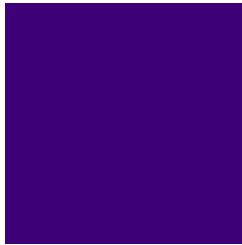
25, 49.235, 1.909



54, 83.204, 4.553

Previews

White Background



This preview shows how the CIE LCh color 17, 70.070, 312.735 looks on a white background.

Color Contrast Check

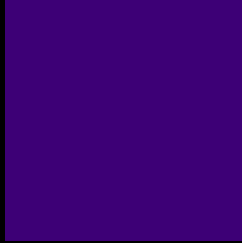
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.070, 312.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

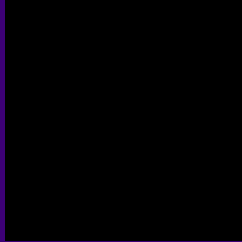
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 70.070, 312.735

Background



This preview shows how black text looks on a background with the CIELCh color 17, 70.070, 312.735.



This preview shows how white text looks on a background with the CIELCh color 17, 70.070, 312.735.

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, 70.070, 312.735

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 23.742, 268.006



Tritanopia
19, 3.035, 264.362

Trichromacy



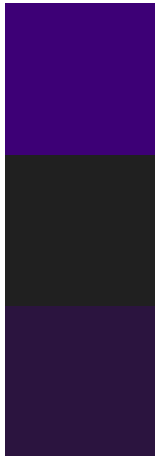
Original Color
17, 70.070, 312.735

Protanomaly
15, 50.955, 300.278

Deuteranomaly
15, 43.862, 298.181

Tritanomaly
16, 32.715, 310.568

Monochromacy



Original Color
17, 70.070, 312.735

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 31.537, 313.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 70.070, 312.735 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(61, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 118)  
}
```

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(61, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 70.070, 312.735 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(61, 0, 118) }
```

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

```
.border{ border-color:rgb(61, 0, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 0, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(61, 0, 118)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 70.070, 312.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 118) }
```

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

```
.background{ background-color: rgb(61, 0,  
118) }
```

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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