

Converting Colors

CIELCh(10, 70.652, 306.306)

Have a look what the booklet for
CIELCh(10, 70.652, 306.306)
contains.

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Color

CIELCh(10, 70.377, 306.235)

Conversions

Conversions Part 1

Format	Color
Hex	03016C
RGB	3, 1, 108
RGB Percent	1%, 0%, 42%
CMY	0.9878, 0.9960, 0.5763
CMYK	0.97, 0.99, 0.00, 0.58
HSL	241°, 98%, 21%
HSV	241°, 99%, 42%
XYZ	2.7592, 1.1260, 14.2715
YIQ	13.7960, -33.1550, 33.7010

Conversions

Conversions Part 2

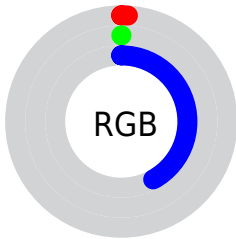
Format	Color
R_{YB}	3, 1, 108
Decimal	196972
CIE Lab	10.00, 41.60, -56.77
CIE LCh	10, 70.377, 306.235
Yxy	1.1260, 0.1520, 0.0620
Android (android.graphics.Color)	4278387052 (0xFF03016C)
YUV	13.7960, 46.4426, -9.4681
Hunter-Lab	10.6114, 27.8441, -72.3123

Details

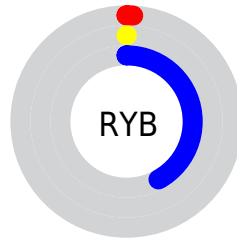
The CIELCh color **10, 70.377, 306.235** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **44, 51.273, 104.037**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **30, 70.464, 306.125**, and **4, 37.355, 298.174** is the 20% darker color. If you saturate the color by 10%, you get **10, 70.987, 306.396**, and if you desaturate by 10%, it is **12, 64.631, 304.729**.

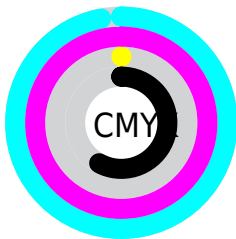
Distribution



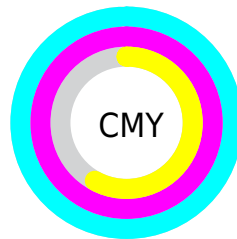
- Red (1%)
- Green (0%)
- Blue (42%)



- Red (1%)
- Yellow (0%)
- Blue (42%)



- Cyan (97%)
- Magenta (99%)
- Yellow (0%)
- Black (58%)





- Cyan (99%)
- Magenta (100%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 70.377, 306.235 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 10, 70.377, 306.235 by changing the saturation by 10% instead.

 10, 70.377,
306.235


 10, 70.377,
306.235


 100, 70.377,
306.235


 0, 70.377, 306.235

 30, 70.377,
306.235

 40, 70.377,
306.235


 50, 70.377,
306.235


 60, 70.377,
306.235


 70, 70.377,
306.235


 80, 70.377,


306.235


 90, 70.377,
306.235


 10, 70.377,
306.235


 10, 70.377,
306.235


 10, 70.987,
306.396

 12, 64.631,
304.729

 15, 58.077,
303.051

 18, 50.470,
301.097

 22, 42.545,
299.115

 26, 34.692,
297.256

■ 30, 27.074,
295.589

■ 34, 19.740,
294.132

■ 38, 12.693,
292.875

■ 42, 5.919, 291.800

Harmonies

Complementary

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



10, 70.377, 306.235



44, 51.273, 104.037

Rectangle

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



10, 70.377, 306.235



10, 70.377, 356.235



10, 70.377, 126.235



10, 70.377, 176.235

Sweetspot

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



10, 70.378, 306.236



43, 25.338, 294.373



40, 25.974, 198.874



20, 17.534, 294.826



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



10, 70.378, 306.236



15, 85.651, 306.368



15, 65.300, 312.833



20, 3.647, 291.790



11, 75.274, 306.386



31, 129.654, 306.328

Inverse Universe

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



24, 60.296, 328.970



33, 72.965, 329.009



40, 57.502, 127.748



21, 4.349, 325.409



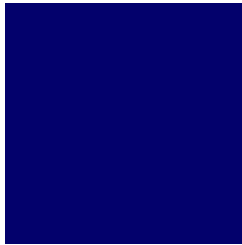
27, 64.161, 328.995



58, 110.311, 329.041

Previews

White Background



This preview shows how the CIELCh color 10, 70.377, 306.235 looks on a white background.

Color Contrast Check

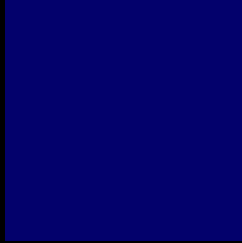
Large Text (above 18pt) WCAG AA ✓ Pass

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 10, 70.377, 306.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

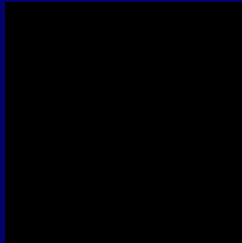
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 70.377, 306.235

Background



This preview shows how black text looks on a background with the CIELCh color 10, 70.377, 306.235.



This preview shows how white text looks on a background with the CIELCh color 10, 70.377, 306.235.

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


10, 70.377, 306.235

Protanopia

12, 25.098, 279.527

Deuteranopia

12, 17.803, 262.865



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
10, 70.377, 306.235

Protanomaly
10, 43.371, 297.461

Deuteranomaly
10, 38.672, 295.288

Tritanomaly
9, 29.750, 289.672

Monochromacy



Original Color
10, 70.377, 306.235

Achromatopsia
4, 0.001, 296.812

Achromatomaly
4, 27.449, 297.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 70.377, 306.235 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, 1, 108)` looks like.

```
.text, #text, p{  
    color:rgb(3, 1, 108)  
}
```

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, 1, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 1, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 70.377, 306.235 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, 1, 108) }
```

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

```
.border{ border-color:rgb(3, 1, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 1, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 1, 108); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 1, 108); box-shadow:4px  
4px 4px 4px rgb(3, 1, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 70.377, 306.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 1, 108) }
```

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

```
.background{ background-color: rgb(3, 1,  
108) }
```

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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