

Converting Colors

CIELCh(10, 69.839, 305.961)

Have a look what the booklet for
CIELCh(10, 69.839, 305.961)
contains.

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Color

CIELCh(10, 69.960, 305.921)

Conversions

Conversions Part 1

Format	Color
Hex	01026C
RGB	1, 2, 108
RGB Percent	0%, 1%, 42%
CMY	0.9973, 0.9925, 0.5770
CMYK	0.99, 0.98, 0.00, 0.58
HSL	239°, 99%, 21%
HSV	239°, 99%, 42%
XYZ	2.7293, 1.1260, 14.2250
YIQ	13.7850, -34.6220, 32.7540

Conversions

Conversions Part 2

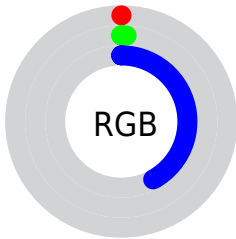
Format	Color
RYB	1, 2, 108
Decimal	66156
CIELab	10.00, 41.04, -56.66
CIELCh	10, 69.960, 305.921
Yxy	1.1260, 0.1510, 0.0623
Android (android.graphics.Color)	4278256236 (0xFF01026C)
YUV	13.7850, 46.4480, -11.2124
Hunter-Lab	10.6114, 27.3418, -72.0523

Details

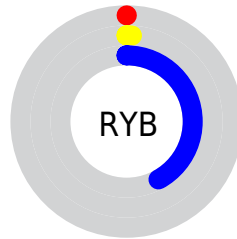
The CIELCh color **10, 69.960, 305.921** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **44, 50.863, 102.201**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **30, 69.867, 305.916**, and **4, 37.355, 298.174** is the 20% darker color. If you saturate the color by 10%, you get **10, 70.371, 306.030**, and if you desaturate by 10%, it is **12, 64.267, 304.399**.

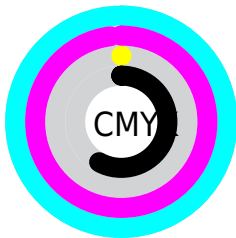
Distribution



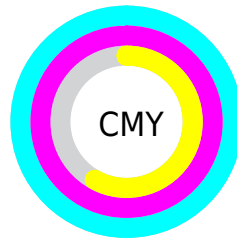
- Red (0%)
- Green (1%)
- Blue (42%)



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



- Cyan (99%)
- Magenta (98%)
- Yellow (0%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 69.960, 305.921 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, 69.960, 305.921 by changing the saturation by 10% instead.

■ 10, 69.960,
305.921

■ 10, 69.960,
305.921

■ 100, 69.960,
305.921

■ 0, 69.960, 305.921

■ 30, 69.960,
305.921

■ 40, 69.960,
305.921


■ 50, 69.960,
305.921


■ 60, 69.960,
305.921


■ 70, 69.960,
305.921


■ 80, 69.960,


305.921


 90, 69.960,
305.921


 10, 69.960,
305.921


 10, 69.960,
305.921

 10, 70.371,
306.030

 12, 64.267,
304.399

 15, 57.674,
302.567

 18, 50.087,
300.469

 22, 42.222,
298.357

 26, 34.452,
296.386

■ 30, 26.926,
294.626

■ 34, 19.684,
293.092

■ 38, 12.726,
291.772

■ 42, 6.036, 290.644

Harmonies

Complementary

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



10, 69.960, 305.921



44, 50.863, 102.201

Rectangle

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



10, 69.960, 305.921



10, 69.960, 355.921



10, 69.960, 125.921



10, 69.960, 175.921

Sweetspot

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



10, 69.961, 305.922



43, 25.028, 293.303



41, 26.868, 193.996



20, 17.318, 293.777



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, 69.961, 305.922



15, 85.172, 306.097



15, 65.803, 312.072



20, 3.603, 290.603



11, 74.756, 306.053



31, 129.287, 306.191

Inverse Universe

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



21, 52.495, 36.129



28, 65.732, 38.603



40, 56.942, 126.643



21, 2.546, 18.933



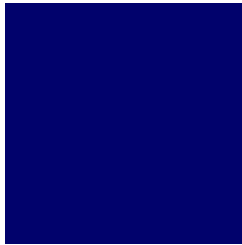
23, 56.652, 37.136



51, 100.931, 39.670

Previews

White Background



This preview shows how the CIELCh color 10, 69.960, 305.921 looks on a white background.

Color Contrast Check

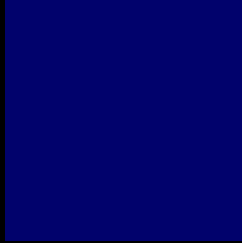
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.960, 305.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

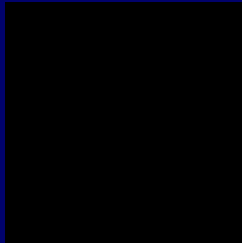
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 69.960, 305.921

Background



This preview shows how black text looks on a background with the CIELCh color 10, 69.960, 305.921.



This preview shows how white text looks on a background with the CIELCh color 10, 69.960, 305.921.

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, 69.960, 305.921

Protanopia

12, 25.098, 279.527

Deuteranopia

12, 17.803, 262.865



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
10, 69.960, 305.921

Protanomaly
10, 43.398, 297.292

Deuteranomaly
10, 38.699, 295.074

Tritanomaly
9, 28.997, 288.157

Monochromacy



Original Color
10, 69.960, 305.921

Achromatopsia
4, 0.001, 296.812

Achromatomaly
4, 26.959, 296.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 69.960, 305.921 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(1, 2, 108)` looks like.

```
.text, #text, p{  
    color:rgb(1, 2, 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(1, 2, 108) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 10, 69.960, 305.921 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(1, 2, 108) }
```

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

```
.border{ border-color:rgb(1, 2, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 2, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 2, 108); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 2, 108); box-shadow:4px  
4px 4px 4px rgb(1, 2, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 69.960, 305.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 2, 108) }
```

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

```
.background{ background-color: rgb(1, 2,  
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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