

Converting Colors

CIELCh(9, 69.944, 307.504)

Have a look what the booklet for
CIELCh(9, 69.944, 307.504) contains.

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Color

CIELCh(10, 68.548, 306.902)

Conversions

Conversions Part 1

Format	Color
Hex	0D0169
RGB	13, 1, 105
RGB Percent	5%, 0%, 41%
CMY	0.9471, 0.9974, 0.5878
CMYK	0.87, 0.99, 0.00, 0.59
HSL	247°, 99%, 21%
HSV	247°, 99%, 41%
XYZ	2.7356, 1.1260, 13.4651
YIQ	16.4440, -26.2320, 34.8880

Conversions

Conversions Part 2

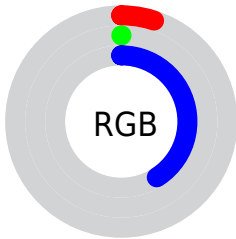
Format	Color
RYB	13, 1, 105
Decimal	852329
CIELab	10.00, 41.16, -54.82
CIELCh	10, 68.548, 306.902
Yxy	1.1260, 0.1579, 0.0650
Android (android.graphics.Color)	4279042409 (0xFF0D0169)
YUV	16.4440, 43.6581, -3.0204
Hunter-Lab	10.6114, 27.4464, -67.8067

Details

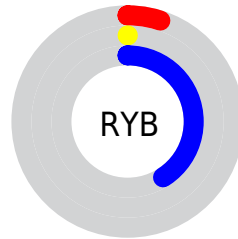
The CIELCh color **10, 68.548, 306.902** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 50.812, 109.941**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **30, 68.709, 306.827**, and **4, 35.388, 297.100** is the 20% darker color. If you saturate the color by 10%, you get **10, 68.952, 307.004**, and if you desaturate by 10%, it is **12, 62.850, 305.683**.

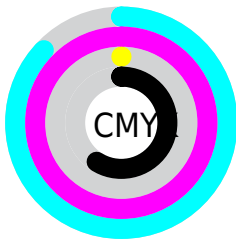
Distribution



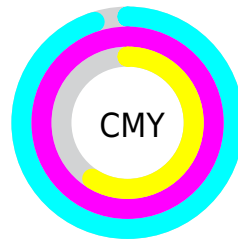
- Red (5%)
- Green (0%)
- Blue (41%)



- Red (5%)
- Yellow (0%)
- Blue (41%)



- Cyan (87%)
- Magenta (99%)
- Yellow (0%)
- Black (59%)



- Cyan (95%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 68.548, 306.902 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, 68.548, 306.902 by changing the saturation by 10% instead.

■ 10, 68.548,
306.902

■ 10, 68.548,
306.902

■ 100, 68.548,
306.902

■ 0, 68.548, 306.902

■ 30, 68.548,
306.902

■ 40, 68.548,
306.902


■ 50, 68.548,
306.902


■ 60, 68.548,
306.902


■ 70, 68.548,
306.902


■ 80, 68.548,


306.902

 90, 68.548,
306.902


 10, 68.548,
306.902


 10, 68.548,
306.902


 10, 68.952,
307.004

 12, 62.850,
305.683

 15, 56.581,
304.483

 18, 49.329,
303.037

 22, 41.730,
301.536

 25, 34.142,
300.101

■ 29, 26.732,
298.790

■ 33, 19.565,
297.625

■ 37, 12.659,
296.604

■ 41, 6.008, 295.719

Harmonies

Complementary

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



10, 68.548, 306.902



42, 50.812, 109.941

Rectangle

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



10, 68.548, 306.902



10, 68.548, 356.902



10, 68.548, 126.902



10, 68.548, 176.902

Sweetspot

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



10, 68.549, 306.903



43, 25.029, 297.790



36, 23.047, 216.279



19, 17.046, 298.136



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



10, 68.549, 306.903



15, 83.876, 306.846



16, 62.915, 315.433



20, 3.662, 295.688



12, 74.626, 306.933



31, 128.981, 306.650

Inverse Universe

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



23, 54.837, 333.456



31, 66.536, 333.660



39, 58.147, 130.582



21, 4.050, 328.438



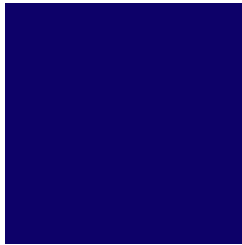
26, 59.365, 333.563



56, 101.603, 333.921

Previews

White Background



This preview shows how the CIELCh color 10, 68.548, 306.902 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, 68.548, 306.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

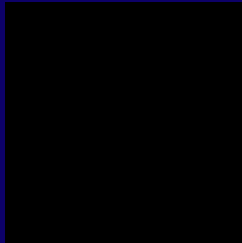
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 68.548, 306.902

Background



This preview shows how black text looks on a background with the CIELCh color 10, 68.548, 306.902.



This preview shows how white text looks on a background with the CIELCh color 10, 68.548, 306.902.

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, 68.359, 306.805

Protanopia

12, 25.143, 280.179

Deuteranopia

12, 17.758, 263.683



Tritanopia
12, 12.868, 199.732

Trichromacy



Original Color
10, 68.359, 306.805

Protanomaly
10, 43.370, 298.514

Deuteranomaly
9, 38.019, 296.332

Tritanomaly
9, 28.945, 290.619

Monochromacy



Original Color
10, 68.359, 306.805

Achromatopsia
5, 0.001, 296.812

Achromatomaly
5, 27.217, 300.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 68.548, 306.902 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(13, 1, 105)` looks like.

```
.text, #text, p{  
    color:rgb(13, 1, 105)  
}
```

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(13, 1, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 1, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 68.548, 306.902 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(13, 1, 105) }
```

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

```
.border{ border-color:rgb(13, 1, 105) }
```

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

Here you see how a box with a 4 pixel rgb(13, 1, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 1, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 1, 105);  
box-shadow:4px 4px 4px 4px rgb(13, 1, 105)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 68.548, 306.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 1, 105) }
```

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

```
.background{ background-color: rgb(13, 1,  
105) }
```

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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