

Converting Colors

CIELCh(10, 69.622, 306.639)

Have a look what the booklet for
CIELCh(10, 69.622, 306.639)
contains.

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Color

CIELCh(10, 69.561, 306.556)

Conversions

Conversions Part 1

Format	Color
Hex	08016B
RGB	8, 1, 107
RGB Percent	3%, 0%, 42%
CMY	0.9676, 0.9968, 0.5816
CMYK	0.92, 0.99, 0.00, 0.58
HSL	244°, 99%, 21%
HSV	244°, 99%, 42%
XYZ	2.7501, 1.1260, 13.8999
YIQ	15.1770, -29.8540, 34.4500

Conversions

Conversions Part 2

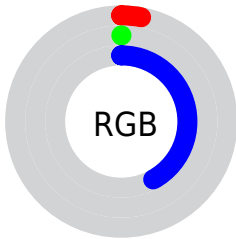
Format	Color
R_{YB}	8, 1, 107
Decimal	524651
CIE Lab	10.00, 41.43, -55.88
CIE LCh	10, 69.561, 306.556
Yxy	1.1260, 0.1547, 0.0633
Android (android.graphics.Color)	4278714731 (0xFF08016B)
YUV	15.1770, 45.2687, -6.2942
Hunter-Lab	10.6114, 27.6915, -70.2363

Details

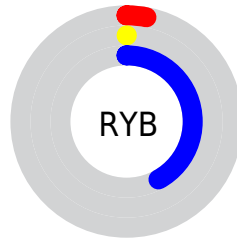
The CIELCh color **10, 69.561, 306.556** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 51.019, 106.980**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **30, 69.844, 306.550**, and **4, 37.010, 298.022** is the 20% darker color. If you saturate the color by 10%, you get **10, 70.038, 306.684**, and if you desaturate by 10%, it is **12, 63.851, 305.157**.

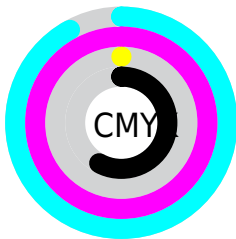
Distribution



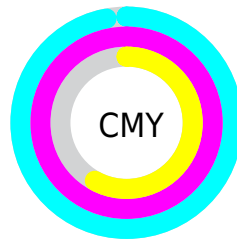
- Red (3%)
- Green (0%)
- Blue (42%)



- Red (3%)
- Yellow (0%)
- Blue (42%)



- Cyan (92%)
- Magenta (99%)
- Yellow (0%)
- Black (58%)





- Cyan (97%)
- Magenta (100%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 69.561, 306.556 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, 69.561, 306.556 by changing the saturation by 10% instead.


 10, 69.561,
306.556


 10, 69.561,
306.556


 100, 69.561,
306.556


 0, 69.561, 306.556

 30, 69.561,
306.556

 40, 69.561,
306.556


 50, 69.561,
306.556


 60, 69.561,
306.556


 70, 69.561,
306.556


 80, 69.561,


306.556


 90, 69.561,
306.556


 10, 69.561,
306.556

 10, 69.561,
306.556

 10, 70.038,
306.684

 12, 63.851,
305.157

 15, 57.427,
303.720

 18, 49.984,
302.025

 22, 42.209,
300.288

 26, 34.477,
298.646

■ 30, 26.953,
297.161

■ 33, 19.694,
295.852

■ 37, 12.711,
294.715

■ 41, 5.994, 293.736

Harmonies

Complementary

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



10, 69.561, 306.556



43, 51.019, 106.980

Rectangle

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



10, 69.561, 306.556



10, 69.561, 356.556



10, 69.561, 126.556



10, 69.561, 176.556

Sweetspot

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



10, 69.562, 306.557



43, 24.983, 296.045



38, 24.279, 207.061



19, 17.018, 296.431



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, 69.562, 306.557



15, 84.223, 306.583



16, 64.165, 314.083



20, 3.652, 293.711



12, 74.963, 306.643



31, 129.404, 306.446

Inverse Universe

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



24, 57.591, 331.063



32, 69.252, 331.171



40, 57.915, 129.255



21, 4.200, 326.845



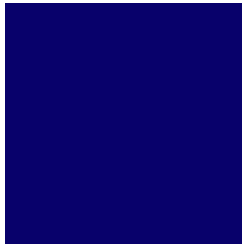
26, 61.750, 331.120



57, 105.926, 331.304

Previews

White Background



This preview shows how the CIELCh color 10, 69.561, 306.556 looks on a white background.

Color Contrast Check

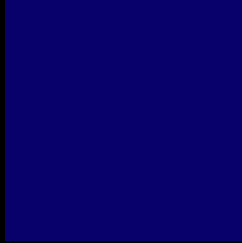
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.561, 306.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

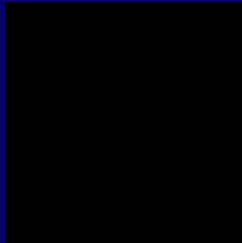
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 69.561, 306.556

Background



This preview shows how black text looks on a background with the CIELCh color 10, 69.561, 306.556.



This preview shows how white text looks on a background with the CIELCh color 10, 69.561, 306.556.

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, 69.616, 306.502

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 18.318, 265.390



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
10, 69.616, 306.502

Protanomaly
10, 44.068, 298.374

Deuteranomaly
9, 38.735, 296.160

Tritanomaly
9, 29.692, 290.387

Monochromacy



Original Color
10, 69.616, 306.502

Achromatopsia
4, 0.001, 296.812

Achromatomaly
5, 27.107, 298.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 69.561, 306.556 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(8, 1, 107)` looks like.

```
.text, #text, p{  
    color:rgb(8, 1, 107)  
}
```

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(8, 1, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 1, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 69.561, 306.556 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(8, 1, 107) }
```

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

```
.border{ border-color:rgb(8, 1, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 1, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 1, 107); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 1, 107); box-shadow:4px  
4px 4px 4px rgb(8, 1, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 69.561, 306.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 1, 107) }
```

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

```
.background{ background-color: rgb(8, 1,  
107) }
```

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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