

Converting Colors

CIELCh(11, 68.502, 308.417)

Have a look what the booklet for
CIELCh(11, 68.502, 308.417)
contains.

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Color

CIELCh(11, 68.179, 308.222)

Conversions

Conversions Part 1

Format	Color
Hex	1B006A
RGB	27, 0, 106
RGB Percent	11%, 0%, 42%
CMY	0.8954, 1.0000, 0.5852
CMYK	0.75, 1.00, 0.00, 0.59
HSL	255°, 100%, 21%
HSV	255°, 100%, 41%
XYZ	3.0313, 1.2610, 13.6572
YIQ	20.1570, -17.9340, 38.6900

Conversions

Conversions Part 2

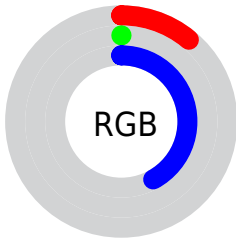
Format	Color
R_{YB}	27, 0, 106
Decimal	1769578
CIE _{Lab}	11.00, 42.18, -53.56
CIE _{LCh}	11, 68.179, 308.222
Yxy	1.2610, 0.1689, 0.0703
Android (android.graphics.Color)	4279959658 (0xFF1B006A)
YUV	20.1570, 42.3206, 6.0013
Hunter-Lab	11.2295, 28.5330, -64.2474

Details

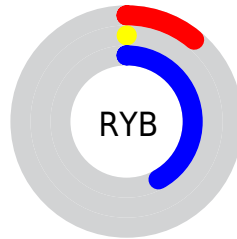
The CIELCh color **11, 68.179, 308.222** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **41, 52.588, 116.830**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 68.425, 308.314**, and **3, 37.604, 298.512** is the 20% darker color. If you saturate the color by 10%, you get **11, 68.100, 308.194**, and if you desaturate by 10%, it is **13, 62.591, 307.473**.

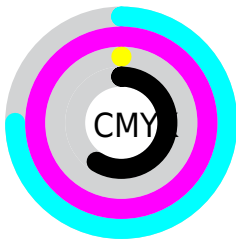
Distribution



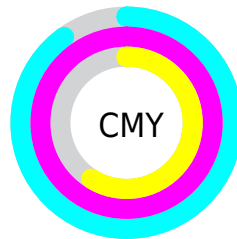
- Red (11%)
- Green (0%)
- Blue (42%)



- Red (11%)
- Yellow (0%)
- Blue (42%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (59%)



- Cyan (90%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 68.179, 308.222 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 11, 68.179, 308.222 by changing the saturation by 10% instead.

■ 11, 68.179,
308.222

■ 11, 68.179,
308.222

■ 100, 68.179,
308.222

■ 1, 68.179, 308.222

■ 31, 68.179,
308.222

■ 0, 68.179, 308.222

■ 41, 68.179,
308.222


■ 51, 68.179,
308.222


■ 61, 68.179,
308.222


■ 71, 68.179,
308.222


■ 81, 68.179,


308.222


 91, 68.179,
308.222


 11, 68.179,
308.222


 11, 68.179,
308.222


 11, 68.100,
308.194

 13, 62.591,
307.473

 16, 56.702,
306.825

 19, 49.783,
305.924

 22, 42.399,
304.919

 26, 34.910,
303.910

■ 30, 27.509,
302.954

■ 33, 20.292,
302.079

■ 37, 13.297,
301.294

■ 41, 6.536, 300.599

Harmonies

Complementary

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



11, 68.179, 308.222



41, 52.588, 116.830

Rectangle

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



11, 68.179, 308.222



11, 68.179, 358.222



11, 68.179, 128.222



11, 68.179, 178.222

Sweetspot

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



11, 68.100, 308.194



43, 25.234, 302.149



31, 23.642, 243.630



20, 17.175, 302.408



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



11, 68.100, 308.194



16, 82.535, 307.956



19, 62.011, 319.412



20, 3.704, 300.533



13, 73.394, 308.092



33, 127.121, 307.621

Inverse Universe

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



22, 50.338, 340.665



30, 60.525, 341.109



39, 60.570, 133.373



21, 3.695, 332.936



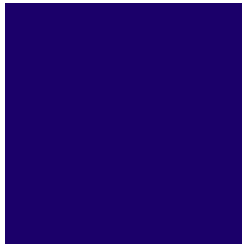
25, 54.070, 340.849



55, 92.119, 341.809

Previews

White Background



This preview shows how the CIELCh color 11, 68.179, 308.222 looks on a white background.

Color Contrast Check

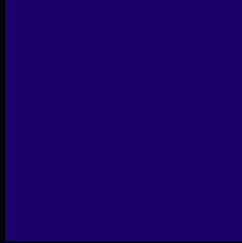
Large Text (above 18pt) WCAG AA ✓ Pass

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 11, 68.179, 308.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

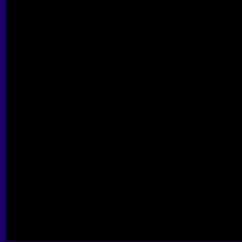
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 68.179, 308.222

Background



This preview shows how black text looks on a background with the CIELCh color 11, 68.179, 308.222.



This preview shows how white text looks on a background with the CIELCh color 11, 68.179, 308.222.

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

11, 68.179, 308.222

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 13.144, 202.894

Trichromacy



Original Color
11, 68.179, 308.222

Protanomaly
11, 43.780, 299.106

Deuteranomaly
10, 39.117, 297.386

Tritanomaly
10, 29.421, 292.175

Monochromacy



Original Color
11, 68.179, 308.222

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 28.307, 304.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 68.179, 308.222 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(27, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(27, 0, 106)  
}
```

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(27, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 0, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 68.179, 308.222 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(27, 0, 106) }
```

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

```
.border{ border-color:rgb(27, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(27, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(27, 0, 106)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 68.179, 308.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 0, 106) }
```

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

```
.background{ background-color: rgb(27, 0,  
106) }
```

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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