

Converting Colors

CIELCh(4, 76.511, 295.310)

Have a look what the booklet for
CIELCh(4, 76.511, 295.310) contains.

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Color

CIELCh(11, 68.998, 304.914)

Conversions

Conversions Part 1

Format	Color
Hex	00066E
RGB	0, 6, 110
RGB Percent	0%, 2%, 43%
CMY	1.0000, 0.9748, 0.5675
CMYK	1.00, 0.94, 0.00, 0.57
HSL	237°, 100%, 22%
HSV	237°, 100%, 43%
XYZ	2.8795, 1.2610, 14.9292
YIQ	16.0620, -36.9600, 31.0720

Conversions

Conversions Part 2

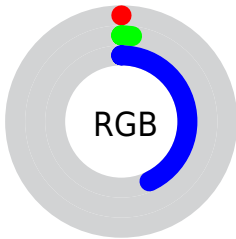
Format	Color
RYB	0, 6, 110
Decimal	1646
CIELab	11.00, 39.49, -56.58
CIELCh	11, 68.998, 304.914
Yxy	1.2610, 0.1510, 0.0661
Android (android.graphics.Color)	4278191726 (0xFF00066E)
YUV	16.0620, 46.3114, -14.0864
Hunter-Lab	11.2295, 26.1200, -70.9636

Details

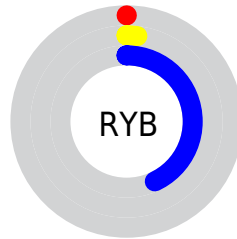
The CIELCh color **11, 68.998, 304.914** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 50.190, 99.200**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **31, 69.158, 305.219**, and **4, 39.450, 299.350** is the 20% darker color. If you saturate the color by 10%, you get **11, 68.919, 305.009**, and if you desaturate by 10%, it is **13, 63.360, 303.456**.

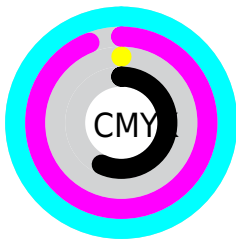
Distribution



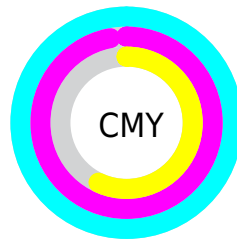
- Red (0%)
- Green (2%)
- Blue (43%)



- Red (0%)
- Yellow (2%)
- Blue (43%)



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (97%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 68.998, 304.914 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, 68.998, 304.914 by changing the saturation by 10% instead.

■ 11, 68.998,
304.914

■ 11, 68.998,
304.914

■ 100, 68.998,
304.914

■ 1, 68.998, 304.914

■ 31, 68.998,
304.914

■ 0, 68.998, 304.914

■ 41, 68.998,
304.914

■ 51, 68.998,
304.914


■ 61, 68.998,
304.914


■ 71, 68.998,
304.914


■ 81, 68.998,


304.914


 91, 68.998,
304.914


 11, 68.998,
304.914


 11, 68.998,
304.914


 11, 68.919,
305.009

 13, 63.360,
303.456

 16, 56.525,
301.355

 19, 48.981,
299.069

 23, 41.305,
296.824

 27, 33.776,
294.755

■ 31, 26.499,
292.917

■ 35, 19.495,
291.318

■ 39, 12.757,
289.942

■ 43, 6.267, 288.764

Harmonies

Complementary

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



11, 68.998, 304.914



43, 50.190, 99.200

Rectangle

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



11, 68.998, 304.914



11, 68.998, 354.914



11, 68.998, 124.914



11, 68.998, 174.914

Sweetspot

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



11, 68.919, 305.009



45, 24.130, 291.436



42, 28.555, 187.102



20, 16.446, 291.916



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



11, 68.919, 305.009



16, 83.962, 305.336



14, 67.885, 311.007



21, 3.568, 288.659



13, 73.419, 305.123



32, 128.386, 305.783

Inverse Universe

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



21, 52.655, 34.595



29, 65.130, 36.803



42, 57.179, 124.896



22, 2.654, 15.134



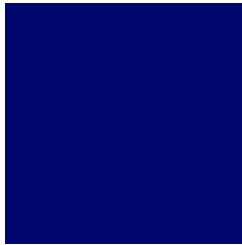
24, 56.445, 35.462



52, 99.917, 38.327

Previews

White Background



This preview shows how the CIE LCh color 11, 68.998, 304.914 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, 68.998, 304.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

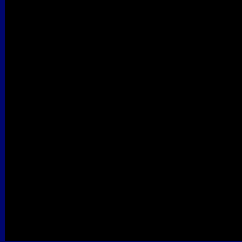
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 68.998, 304.914

Background



This preview shows how black text looks on a background with the CIELCh color 11, 68.998, 304.914.



This preview shows how white text looks on a background with the CIELCh color 11, 68.998, 304.914.

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, 68.973, 305.085

Protanopia

12, 26.399, 281.202

Deuteranopia

13, 18.395, 263.791



Tritanopia
12, 12.936, 203.024

Trichromacy



Original Color
11, 68.973, 305.085

Protanomaly
11, 43.169, 296.526

Deuteranomaly
11, 37.687, 293.419

Tritanomaly
10, 28.818, 286.963

Monochromacy



Original Color
11, 68.973, 305.085

Achromatopsia
5, 0.001, 296.812

Achromatomaly
5, 27.080, 296.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 68.998, 304.914 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(0, 6, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 6, 110)  
}
```

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(0, 6, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 6, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 68.998, 304.914 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(0, 6, 110) }
```

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

```
.border{ border-color:rgb(0, 6, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 6, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 6, 110); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 6, 110); box-shadow:4px  
4px 4px 4px rgb(0, 6, 110) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 68.998, 304.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 6, 110) }
```

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

```
.background{ background-color: rgb(0, 6,  
110) }
```

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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