

Converting Colors

CIELCh(11, 60.864, 303.008)

Have a look what the booklet for
CIELCh(11, 60.864, 303.008)
contains.

CIELCh(11, 60.733, 302.943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(11, 60.733, 302.943)

Conversions

Conversions Part 1

Format	Color
Hex	000E66
RGB	0, 14, 102
RGB Percent	0%, 5%, 40%
CMY	1.0000, 0.9458, 0.6009
CMYK	1.00, 0.86, 0.00, 0.60
HSL	232°, 100%, 20%
HSV	232°, 100%, 40%
XYZ	2.5359, 1.2610, 12.6225
YIQ	19.8460, -36.5920, 24.4000

Conversions

Conversions Part 2

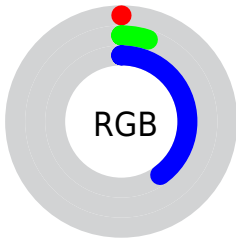
Format	Color
RYB	0, 12, 102
Decimal	3686
CIELab	11.00, 33.03, -50.97
CIELCh	11, 60.733, 302.943
Yxy	1.2610, 0.1544, 0.0768
Android (android.graphics.Color)	4278193766 (0xFF000E66)
YUV	19.8460, 40.5019, -17.4049
Hunter-Lab	11.2295, 20.6585, -58.7845

Details

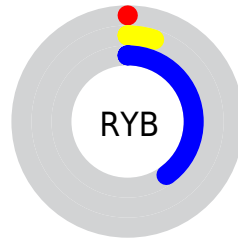
The CIELCh color **11, 60.733, 302.943** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **37, 45.214, 93.815**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 60.331, 302.862**, and **3, 33.780, 296.179** is the 20% darker color. If you saturate the color by 10%, you get **11, 60.716, 302.980**, and if you desaturate by 10%, it is **13, 54.877, 300.928**.

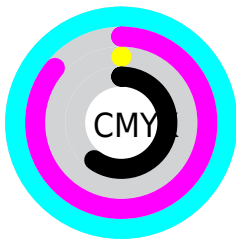
Distribution



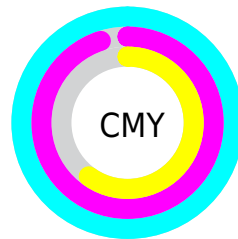
- Red (0%)
- Green (5%)
- Blue (40%)



- Red (0%)
- Yellow (5%)
- Blue (40%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (95%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 60.733, 302.943 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, 60.733, 302.943 by changing the saturation by 10% instead.

■ 11, 60.733,
302.943

■ 11, 60.733,
302.943

■ 100, 60.733,
302.943

■ 1, 60.733, 302.943

■ 31, 60.733,
302.943

■ 0, 60.733, 302.943

■ 41, 60.733,
302.943


■ 51, 60.733,
302.943


■ 61, 60.733,
302.943


■ 71, 60.733,
302.943


■ 81, 60.733,


302.943

 91, 60.733,
302.943


 11, 60.733,
302.943


 11, 60.733,
302.943


 11, 60.716,
302.980

 13, 54.877,
300.928

 16, 48.428,
298.408

 19, 41.777,
295.867

 22, 35.201,
293.471

 26, 28.815,
291.305

■ 29, 22.649,
289.397

■ 33, 16.700,
287.740

■ 36, 10.953,
286.311

■ 40, 5.393, 285.084

Harmonies

Complementary

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



11, 60.733, 302.943



37, 45.214, 93.815

Rectangle

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



11, 60.733, 302.943



11, 60.733, 352.943



11, 60.733, 122.943



11, 60.733, 172.943

Sweetspot

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



11, 60.716, 302.980



42, 20.784, 287.874



38, 29.456, 177.165



19, 14.135, 288.343



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



11, 60.716, 302.980



16, 75.009, 303.648



11, 65.120, 309.610



19, 3.028, 284.964



13, 66.839, 303.311



33, 120.953, 304.548

Inverse Universe

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



19, 47.619, 30.165



27, 58.759, 32.355



39, 52.581, 121.341



19, 2.480, 8.921



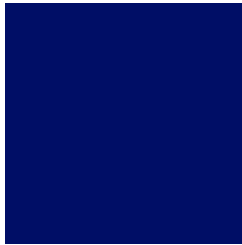
23, 52.459, 31.390



51, 94.161, 34.708

Previews

White Background



This preview shows how the CIELCh color 11, 60.733, 302.943 looks on a white background.

Color Contrast Check

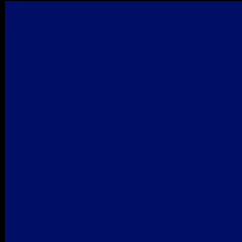
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.733, 302.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

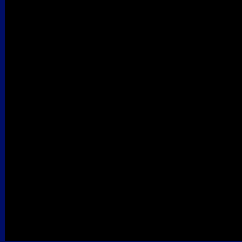
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 60.733, 302.943

Background



This preview shows how black text looks on a background with the CIELCh color 11, 60.733, 302.943.



This preview shows how white text looks on a background with the CIELCh color 11, 60.733, 302.943.

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, 60.733, 302.943

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 18.318, 265.390



Tritanopia
12, 12.729, 203.160

Trichromacy



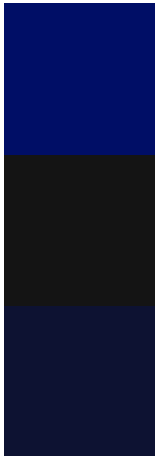
Original Color
11, 60.733, 302.943

Protanomaly
11, 39.013, 294.070

Deuteranomaly
11, 34.232, 291.045

Tritanomaly
10, 24.633, 281.314

Monochromacy



Original Color
11, 60.733, 302.943

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 24.036, 294.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 60.733, 302.943 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, 14, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 14, 102)  
}
```

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, 14, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 14, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 60.733, 302.943 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, 14, 102) }
```

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

```
.border{ border-color:rgb(0, 14, 102) }
```

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

Here you see how a box with a 4 pixel rgb(0, 14, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 14, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 14, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 14, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 60.733, 302.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 14, 102) }
```

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

```
.background{ background-color: rgb(0, 14,  
102) }
```

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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