

Converting Colors

CIELCh(11, 63.401, 304.006)

Have a look what the booklet for
CIELCh(11, 63.401, 304.006)
contains.

CIELCh(11, 63.312, 304.034)	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, 63.312, 304.034)

Conversions

Conversions Part 1

Format	Color
Hex	030B68
RGB	3, 11, 104
RGB Percent	1%, 4%, 41%
CMY	0.9877, 0.9567, 0.5920
CMYK	0.97, 0.89, 0.00, 0.59
HSL	235°, 94%, 21%
HSV	235°, 97%, 41%
XYZ	2.6605, 1.2610, 13.2136
YIQ	19.2100, -34.6210, 27.2270

Conversions

Conversions Part 2

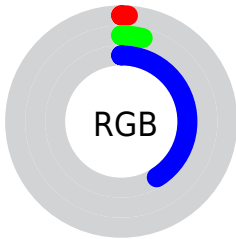
Format	Color
R _Y B	3, 10, 104
Decimal	199528
CIE Lab	11.00, 35.43, -52.47
CIE LCh	11, 63.312, 304.034
Yxy	1.2610, 0.1553, 0.0736
Android (android.graphics.Color)	4278389608 (0xFF030B68)
YUV	19.2100, 41.8015, -14.2162
Hunter-Lab	11.2295, 22.6391, -61.9056

Details

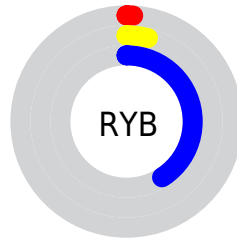
The CIELCh color **11, 63.312, 304.034** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **40, 46.749, 98.080**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 63.388, 304.158**, and **3, 34.582, 296.639** is the 20% darker color. If you saturate the color by 10%, you get **10, 64.867, 304.458**, and if you desaturate by 10%, it is **13, 57.426, 302.153**.

Distribution



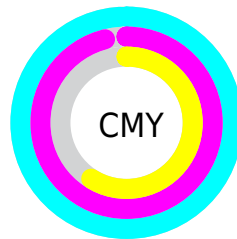
- Red (1%)
- Green (4%)
- Blue (41%)



- Red (1%)
- Yellow (4%)
- Blue (41%)



- Cyan (97%)
- Magenta (89%)
- Yellow (0%)
- Black (59%)



- Cyan (99%)
- Magenta (96%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 63.312, 304.034 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, 63.312, 304.034 by changing the saturation by 10% instead.

■ 11, 63.312,
304.034

■ 11, 63.312,
304.034

■ 100, 63.312,
304.034

■ 1, 63.312, 304.034

■ 31, 63.312,
304.034

■ 0, 63.312, 304.034

■ 41, 63.312,
304.034


■ 51, 63.312,
304.034


■ 61, 63.312,
304.034


■ 71, 63.312,
304.034

■ 81, 63.312,


304.034


 91, 63.312,
304.034


 11, 63.312,
304.034


 11, 63.312,
304.034

 10, 64.867,
304.458

 13, 57.426,
302.153

 16, 50.596,
299.867

 19, 43.431,
297.524

 23, 36.303,
295.301

 27, 29.372,
293.289

■ 30, 22.688,
291.519

■ 34, 16.252,
289.985

■ 38, 10.051,
288.666

■ 41, 4.069, 287.540

Harmonies

Complementary

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



11, 63.312, 304.034



40, 46.749, 98.080

Rectangle

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



11, 63.312, 304.034



11, 63.312, 354.034



11, 63.312, 124.034



11, 63.312, 174.034

Sweetspot

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



11, 63.313, 304.035



43, 21.753, 290.395



39, 27.527, 185.267



20, 15.131, 290.878



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, 63.313, 304.035



15, 79.500, 304.925



13, 63.739, 310.653



19, 3.222, 287.740



12, 69.987, 304.647



32, 125.240, 305.531

Inverse Universe

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



20, 48.639, 32.686



27, 61.692, 35.607



39, 53.556, 124.033



19, 2.453, 13.490



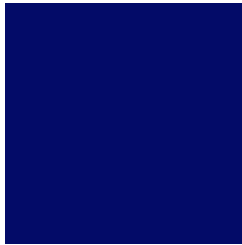
22, 53.949, 34.193



51, 97.375, 37.543

Previews

White Background



This preview shows how the CIELCh color 11, 63.312, 304.034 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, 63.312, 304.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

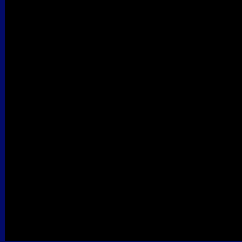
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 63.312, 304.034

Background



This preview shows how black text looks on a background with the CIELCh color 11, 63.312, 304.034.



This preview shows how white text looks on a background with the CIELCh color 11, 63.312, 304.034.

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, 63.312, 304.034

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 17.803, 262.865



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
11, 63.312, 304.034

Protanomaly
11, 40.422, 295.278

Deuteranomaly
11, 34.208, 291.303

Tritanomaly
10, 25.995, 284.029

Monochromacy



Original Color
11, 63.312, 304.034

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 25.376, 296.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 63.312, 304.034 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(3, 11, 104)` looks like.

```
.text, #text, p{  
    color:rgb(3, 11, 104)  
}
```

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(3, 11, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 11, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 63.312, 304.034 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(3, 11, 104) }
```

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

```
.border{ border-color:rgb(3, 11, 104) }
```

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

Here you see how a box with a 4 pixel rgb(3, 11, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 11, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 11, 104);  
box-shadow:4px 4px 4px 4px rgb(3, 11, 104)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 63.312, 304.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 11, 104) }
```

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

```
.background{ background-color: rgb(3, 11,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor