

Converting Colors

CIELCh(11, 59.744, 302.451)

Have a look what the booklet for
CIELCh(11, 59.744, 302.451)
contains.

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Color

CIELCh(11, 59.591, 302.582)

Conversions

Conversions Part 1

Format	Color
Hex	000F65
RGB	0, 15, 101
RGB Percent	0%, 6%, 40%
CMY	1.0000, 0.9423, 0.6053
CMYK	1.00, 0.85, 0.00, 0.61
HSL	231°, 100%, 20%
HSV	231°, 100%, 39%
XYZ	2.4885, 1.2610, 12.3315
YIQ	20.3190, -36.5460, 23.5660

Conversions

Conversions Part 2

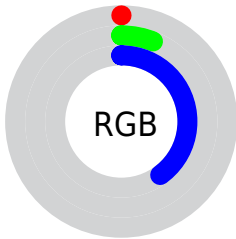
Format	Color
RYB	0, 13, 101
Decimal	3941
CIELab	11.00, 32.09, -50.21
CIElCh	11, 59.591, 302.582
Yxy	1.2610, 0.1547, 0.0784
Android (android.graphics.Color)	4278194021 (0xFF000F65)
YUV	20.3190, 39.7757, -17.8198
Hunter-Lab	11.2295, 19.9051, -57.2482

Details

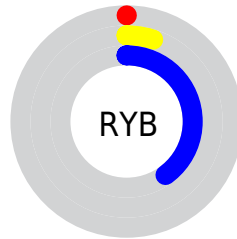
The CIELCh color **11, 59.591, 302.582** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **37, 44.604, 93.053**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 59.770, 302.617**, and **3, 32.980, 295.720** is the 20% darker color. If you saturate the color by 10%, you get **11, 59.563, 302.644**, and if you desaturate by 10%, it is **13, 53.728, 300.528**.

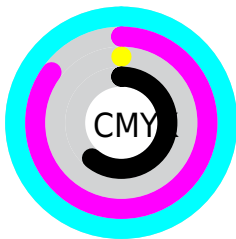
Distribution



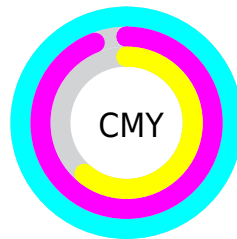
- Red (0%)
- Green (6%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (61%)



- Cyan (100%)
- Magenta (94%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 59.591, 302.582 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, 59.591, 302.582 by changing the saturation by 10% instead.

■ 11, 59.591,
302.582

■ 11, 59.591,
302.582

■ 100, 59.591,
302.582

■ 1, 59.591, 302.582

■ 31, 59.591,
302.582

■ 0, 59.591, 302.582

■ 41, 59.591,
302.582


■ 51, 59.591,
302.582


■ 61, 59.591,
302.582


■ 71, 59.591,
302.582


■ 81, 59.591,


302.582


 91, 59.591,
302.582


 11, 59.591,
302.582


 11, 59.591,
302.582

 11, 59.563,
302.644

 13, 53.728,
300.528

 16, 47.368,
297.959

 19, 40.850,
295.390

 22, 34.422,
292.975

 26, 28.185,
290.797

■ 29, 22.161,
288.879

■ 32, 16.346,
287.214

■ 36, 10.725,
285.778

■ 39, 5.282, 284.544

Harmonies

Complementary

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



11, 59.591, 302.582



37, 44.604, 93.053

Rectangle

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



11, 59.591, 302.582



11, 59.591, 352.582



11, 59.591, 122.582



11, 59.591, 172.582

Sweetspot

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



11, 59.563, 302.644



42, 20.208, 287.347



38, 29.217, 177.188



19, 13.964, 287.827



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, 59.563, 302.644



16, 73.168, 303.330



11, 64.596, 309.625



19, 2.994, 284.424



13, 66.191, 303.022



33, 119.994, 304.320

Inverse Universe

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



19, 46.955, 29.464



26, 57.493, 31.566



39, 52.159, 121.320



19, 2.487, 8.107



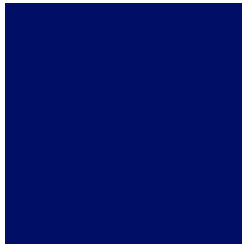
23, 52.151, 30.758



51, 93.527, 34.092

Previews

White Background



This preview shows how the CIE LCh color 11, 59.591, 302.582 looks on a white background.

Color Contrast Check

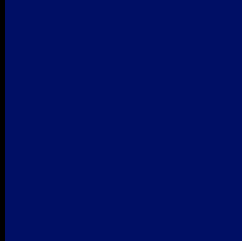
Large Text (above 18pt) WCAG AA ✓ Pass

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, 59.591, 302.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

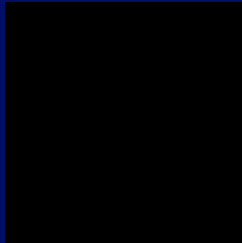
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 59.591, 302.582

Background



This preview shows how black text looks on a background with the CIELCh color 11, 59.591, 302.582.



This preview shows how white text looks on a background with the CIELCh color 11, 59.591, 302.582.

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, 59.591, 302.582

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 18.318, 265.390



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
11, 59.591, 302.582

Protanomaly
11, 39.013, 294.070

Deuteranomaly
11, 33.559, 290.611

Tritanomaly
10, 24.633, 281.314

Monochromacy



Original Color
11, 59.591, 302.582

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 23.283, 293.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 59.591, 302.582 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, 15, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 15, 101)  
}
```

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, 15, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 15, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 59.591, 302.582 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, 15, 101) }
```

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

```
.border{ border-color:rgb(0, 15, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 15, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 15, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 15, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 15, 101)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 59.591, 302.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 15, 101) }
```

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

```
.background{ background-color: rgb(0, 15,  
101) }
```

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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