

Converting Colors

CIELCh(10, 59.423, 303.363)

Have a look what the booklet for
CIELCh(10, 59.423, 303.363)
contains.

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Color

CIELCh(10, 59.037, 303.255)

Conversions

Conversions Part 1

Format	Color
Hex	010C61
RGB	1, 12, 97
RGB Percent	0%, 5%, 38%
CMY	0.9970, 0.9534, 0.6201
CMYK	0.99, 0.88, 0.00, 0.62
HSL	233°, 98%, 19%
HSV	233°, 99%, 38%
XYZ	2.2915, 1.1260, 11.3756
YIQ	18.4010, -33.8410, 24.1030

Conversions

Conversions Part 2

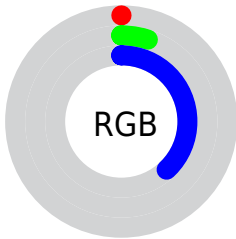
Format	Color
R_{YB}	1, 11, 97
Decimal	68705
CIE _{Lab}	10.00, 32.37, -49.37
CIE _{LCh}	10, 59.037, 303.255
Yxy	1.1260, 0.1549, 0.0761
Android (android.graphics.Color)	4278258785 (0xFF010C61)
YUV	18.4010, 38.7493, -15.2607
Hunter-Lab	10.6114, 19.9763, -56.1320

Details

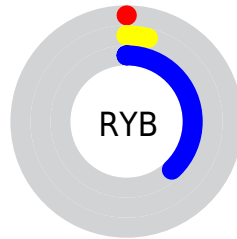
The CIELCh color **10, 59.037, 303.255** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **36, 43.980, 95.386**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 59.427, 303.499**, and **3, 30.257, 294.346** is the 20% darker color. If you saturate the color by 10%, you get **10, 59.441, 303.377**, and if you desaturate by 10%, it is **12, 53.383, 301.291**.

Distribution



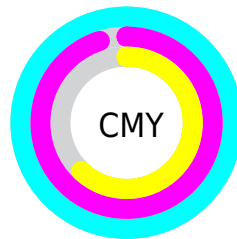
- Red (0%)
- Green (5%)
- Blue (38%)



- Red (0%)
- Yellow (4%)
- Blue (38%)



- Cyan (99%)
- Magenta (88%)
- Yellow (0%)
- Black (62%)



- Cyan (100%)
- Magenta (95%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 59.037, 303.255 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 10, 59.037, 303.255 by changing the saturation by 10% instead.

■ 10, 59.037,
303.255

■ 10, 59.037,
303.255

■ 100, 59.037,
303.255

■ 0, 59.037, 303.255

■ 30, 59.037,
303.255

■ 40, 59.037,
303.255


■ 50, 59.037,
303.255


■ 60, 59.037,
303.255


■ 70, 59.037,
303.255


■ 80, 59.037,


303.255


 90, 59.037,
303.255


 10, 59.037,
303.255


 10, 59.037,
303.255


 10, 59.441,
303.377

 12, 53.383,
301.291

 15, 47.085,
298.865

 18, 40.566,
296.413

 21, 34.112,
294.098

 24, 27.841,
292.005

■ 28, 21.789,
290.161

■ 31, 15.952,
288.559

■ 35, 10.318,
287.177

■ 38, 4.872, 285.991

Harmonies

Complementary

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



10, 59.037, 303.255



36, 43.980, 95.386

Rectangle

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



10, 59.037, 303.255



10, 59.037, 353.255



10, 59.037, 123.255



10, 59.037, 173.255

Sweetspot

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



10, 59.038, 303.256



40, 20.250, 288.808



36, 27.298, 181.131



18, 13.995, 289.261



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



10, 59.038, 303.256



14, 72.763, 304.012



11, 62.024, 310.192



18, 2.963, 285.954



12, 66.812, 303.769



32, 121.619, 304.932

Inverse Universe

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



18, 45.846, 30.417



25, 56.777, 33.200



37, 51.020, 122.643



18, 2.364, 10.484



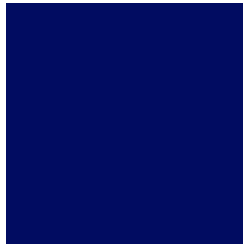
22, 52.056, 32.268



50, 94.554, 35.776

Previews

White Background



This preview shows how the CIE LCh color 10, 59.037, 303.255 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 10, 59.037, 303.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

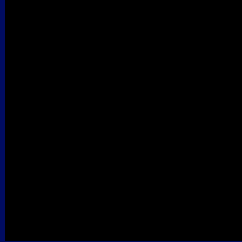
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 59.037, 303.255

Background



This preview shows how black text looks on a background with the CIELCh color 10, 59.037, 303.255.



This preview shows how white text looks on a background with the CIELCh color 10, 59.037, 303.255.

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

10, 59.037, 303.255

Protanopia

11, 23.881, 279.039

Deuteranopia

11, 16.621, 260.792



Tritanopia
11, 12.310, 203.449

Trichromacy



Original Color
10, 59.037, 303.255

Protanomaly
10, 37.917, 294.320

Deuteranomaly
10, 31.631, 289.733

Tritanomaly
9, 24.074, 281.824

Monochromacy



Original Color
10, 59.037, 303.255

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 23.041, 293.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 59.037, 303.255 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(1, 12, 97)` looks like.

```
.text, #text, p{  
    color:rgb(1, 12, 97)  
}
```

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(1, 12, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 12, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 59.037, 303.255 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(1, 12, 97) }
```

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

```
.border{ border-color:rgb(1, 12, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 12, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 12, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 12, 97); box-shadow:4px  
4px 4px 4px rgb(1, 12, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 59.037, 303.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 12, 97) }
```

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

```
.background{ background-color: rgb(1, 12,  
97) }
```

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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