

Converting Colors

CIELCh(12, 59.366, 303.256)

Have a look what the booklet for
CIELCh(12, 59.366, 303.256)
contains.

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Color

CIELCh(12, 59.175, 303.232)

Conversions

Conversions Part 1

Format	Color
Hex	0B1066
RGB	11, 16, 102
RGB Percent	4%, 6%, 40%
CMY	0.9561, 0.9370, 0.5996
CMYK	0.89, 0.84, 0.00, 0.60
HSL	237°, 80%, 22%
HSV	237°, 89%, 40%
XYZ	2.7297, 1.4064, 12.7213
YIQ	24.3090, -30.5860, 25.6860

Conversions

Conversions Part 2

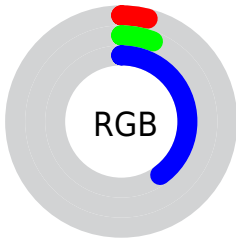
Format	Color
R_{YB}	11, 16, 102
Decimal	725094
CIE Lab	12.00, 32.43, -49.50
CIE LCh	12, 59.175, 303.232
Yxy	1.4064, 0.1619, 0.0834
Android (android.graphics.Color)	4278915174 (0xFF0B1066)
YUV	24.3090, 38.3017, -11.6720
Hunter-Lab	11.8591, 20.3339, -55.2994

Details

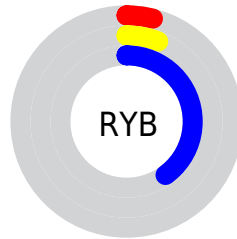
The CIELCh color **12, 59.175, 303.232** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **40, 44.925, 100.168**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 58.952, 303.244**, and **3, 33.780, 296.179** is the 20% darker color. If you saturate the color by 10%, you get **10, 64.694, 304.854**, and if you desaturate by 10%, it is **15, 52.602, 301.126**.

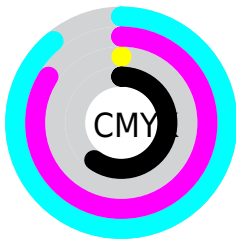
Distribution



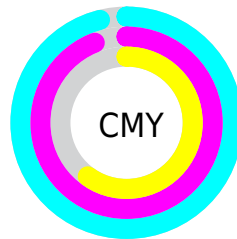
- Red (4%)
- Green (6%)
- Blue (40%)



- Red (4%)
- Yellow (6%)
- Blue (40%)



- Cyan (89%)
- Magenta (84%)
- Yellow (0%)
- Black (60%)



- Cyan (96%)
- Magenta (94%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 59.175, 303.232 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 12, 59.175, 303.232 by changing the saturation by 10% instead.

■ 12, 59.175,
303.232

■ 12, 59.175,
303.232

■ 100, 59.175,
303.232

■ 2, 59.175, 303.232

■ 32, 59.175,
303.232

■ 0, 59.175, 303.232

■ 42, 59.175,
303.232


■ 52, 59.175,
303.232


■ 62, 59.175,
303.232


■ 72, 59.175,
303.232


■ 82, 59.175,


303.232


 92, 59.175,
303.232


 12, 59.175,
303.232


 12, 59.175,
303.232

 10, 64.694,
304.854

 15, 52.602,
301.126

 10, 65.245,
305.005

 18, 45.454,
298.871

 21, 38.227,
296.678

 25, 31.155,
294.666

 29, 24.323,
292.883

■ 32, 17.748,
291.332

■ 36, 11.420,
289.997

■ 40, 5.324, 288.854

■ 44, 0.558, 107.764

Harmonies

Complementary

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



12, 59.175, 303.232



40, 44.925, 100.168

Rectangle

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



12, 59.175, 303.232



12, 59.175, 353.232



12, 59.175, 123.232



12, 59.175, 173.232

Sweetspot

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



12, 59.176, 303.233



43, 20.418, 291.153



39, 25.951, 187.972



20, 13.705, 291.479



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



12, 59.176, 303.233



15, 79.554, 305.333



15, 58.931, 310.949



19, 3.308, 288.843



12, 71.270, 305.161



31, 126.547, 305.820

Inverse Universe

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



20, 45.365, 31.908



27, 61.484, 36.510



39, 50.577, 124.253



19, 2.447, 15.497



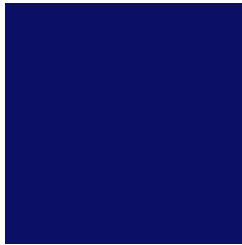
22, 54.548, 35.218



51, 98.506, 38.445

Previews

White Background



This preview shows how the CIELCh color 12, 59.175, 303.232 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 12, 59.175, 303.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

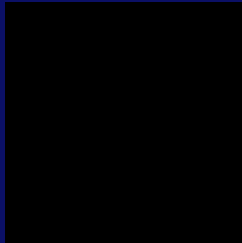
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 59.175, 303.232

Background



This preview shows how black text looks on a background with the CIELCh color 12, 59.175, 303.232.



This preview shows how white text looks on a background with the CIELCh color 12, 59.175, 303.232.

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

12, 59.175, 303.232

Protanopia

12, 26.399, 281.202

Deuteranopia

13, 17.852, 262.059



Tritanopia
12, 12.936, 203.024

Trichromacy



Original Color
12, 59.175, 303.232

Protanomaly
12, 38.810, 294.422

Deuteranomaly
12, 32.589, 290.193

Tritanomaly
11, 24.419, 282.398

Monochromacy



Original Color
12, 59.175, 303.232

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 23.155, 295.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 59.175, 303.232 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(11, 16, 102)` looks like.

```
.text, #text, p{  
    color:rgb(11, 16, 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(11, 16, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 16, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 59.175, 303.232 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(11, 16, 102) }
```

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

```
.border{ border-color:rgb(11, 16, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 16, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 16, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 16, 102);  
box-shadow:4px 4px 4px 4px rgb(11, 16,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 59.175, 303.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 16, 102) }
```

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

```
.background{ background-color: rgb(11, 16,  
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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