

Converting Colors

CIELCh(12, 74.532, 306.247)

Have a look what the booklet for
CIELCh(12, 74.532, 306.247)
contains.

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Color

CIELCh(12, 74.419, 306.248)

Conversions

Conversions Part 1

Format	Color
Hex	070276
RGB	7, 2, 118
RGB Percent	3%, 1%, 46%
CMY	0.9707, 0.9917, 0.5366
CMYK	0.94, 0.98, 0.00, 0.54
HSL	243°, 96%, 24%
HSV	243°, 98%, 46%
XYZ	3.3966, 1.4064, 17.2847
YIQ	16.7190, -34.2560, 37.1360

Conversions

Conversions Part 2

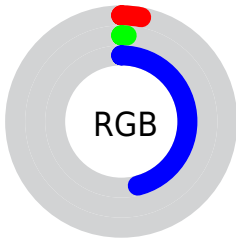
Format	Color
R_{YB}	7, 2, 118
Decimal	459382
CIE Lab	12.00, 44.00, -60.02
CIE LCh	12, 74.419, 306.248
Yxy	1.4064, 0.1538, 0.0637
Android (android.graphics.Color)	4278649462 (0xFF070276)
YUV	16.7190, 49.9315, -8.5236
Hunter-Lab	11.8591, 30.3720, -78.1144

Details

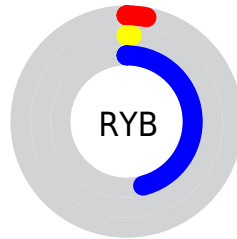
The CIELCh color **12, 74.419, 306.248** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **48, 54.527, 105.623**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **32, 74.533, 306.181**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **12, 75.510, 306.519**, and if you desaturate by 10%, it is **14, 68.770, 304.941**.

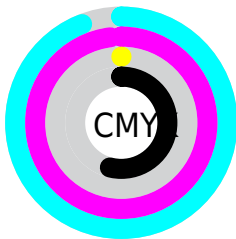
Distribution



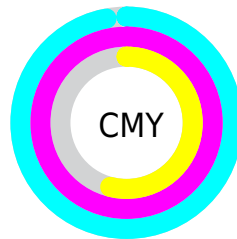
- Red (3%)
- Green (1%)
- Blue (46%)



- Red (3%)
- Yellow (1%)
- Blue (46%)



- Cyan (94%)
- Magenta (98%)
- Yellow (0%)
- Black (54%)



- Cyan (97%)
- Magenta (99%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 74.419, 306.248 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, 74.419, 306.248 by changing the saturation by 10% instead.

■ 12, 74.419,
306.248

■ 12, 74.419,
306.248

■ 100, 74.419,
306.248

■ 2, 74.419, 306.248

■ 32, 74.419,
306.248

■ 0, 74.419, 306.248

■ 42, 74.419,
306.248

■ 52, 74.419,
306.248


■ 62, 74.419,
306.248


■ 72, 74.419,
306.248


■ 82, 74.419,


306.248


 92, 74.419,
306.248


 12, 74.419,
306.248


 12, 74.419,
306.248


 12, 75.510,
306.519

 14, 68.770,
304.941

 17, 61.739,
303.371

 21, 53.587,
301.533

 25, 45.092,
299.664

 29, 36.668,
297.907

■ 33, 28.490,
296.329

■ 37, 20.614,
294.948

■ 42, 13.046,
293.755

■ 46, 5.770, 292.733

Harmonies

Complementary

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



12, 74.419, 306.248



48, 54.527, 105.623

Rectangle

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



12, 74.419, 306.248



12, 74.419, 356.248



12, 74.419, 126.248



12, 74.419, 176.248

Sweetspot

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



12, 74.420, 306.249



48, 26.269, 295.145



43, 27.045, 201.502



22, 18.039, 295.598



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



12, 74.420, 306.249



17, 91.134, 306.458



18, 69.089, 313.140



22, 3.940, 292.811



12, 77.448, 306.510



32, 131.580, 306.381

Inverse Universe

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



27, 62.823, 330.034



36, 76.161, 330.128



44, 61.439, 128.389



23, 4.610, 326.157



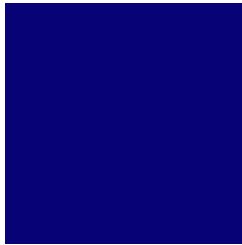
28, 64.825, 330.088



59, 109.690, 330.196

Previews

White Background



This preview shows how the CIELCh color 12, 74.419, 306.248 looks on a white background.

Color Contrast Check

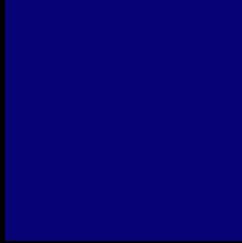
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.419, 306.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

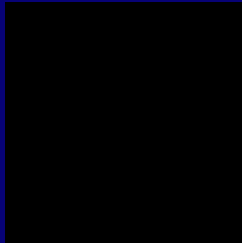
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 74.419, 306.248

Background



This preview shows how black text looks on a background with the CIELCh color 12, 74.419, 306.248.



This preview shows how white text looks on a background with the CIELCh color 12, 74.419, 306.248.

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, 74.419, 306.248

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 19.027, 263.891



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
12, 74.419, 306.248

Protanomaly
12, 46.928, 298.217

Deuteranomaly
11, 41.683, 296.159

Tritanomaly
11, 32.132, 290.551

Monochromacy



Original Color
12, 74.419, 306.248

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 30.870, 300.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 74.419, 306.248 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(7, 2, 118)` looks like.

```
.text, #text, p{  
    color:rgb(7, 2, 118)  
}
```

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(7, 2, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 2, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 74.419, 306.248 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(7, 2, 118) }
```

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

```
.border{ border-color:rgb(7, 2, 118) }
```

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

Here you see how a box with a 4 pixel rgb(7, 2, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 2, 118); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 2, 118); box-shadow:4px  
4px 4px 4px rgb(7, 2, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 74.419, 306.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 2, 118) }
```

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

```
.background{ background-color: rgb(7, 2,  
118) }
```

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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