

Converting Colors

CIELCh(12, 73.390, 305.277)

Have a look what the booklet for
CIELCh(12, 73.390, 305.277)
contains.

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Color

CIELCh(12, 73.386, 305.423)

Conversions

Conversions Part 1

Format	Color
Hex	000576
RGB	0, 5, 118
RGB Percent	0%, 2%, 46%
CMY	1.0000, 0.9810, 0.5379
CMYK	1.00, 0.96, 0.00, 0.54
HSL	238°, 100%, 23%
HSV	238°, 100%, 46%
XYZ	3.3066, 1.4064, 17.1822
YIQ	16.3870, -39.2530, 34.0830

Conversions

Conversions Part 2

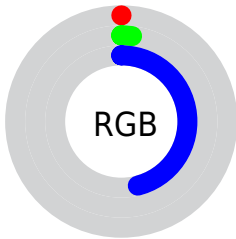
Format	Color
RYB	0, 5, 118
Decimal	1398
CIELab	12.00, 42.54, -59.80
CIELCh	12, 73.386, 305.423
Yxy	1.4064, 0.1510, 0.0642
Android (android.graphics.Color)	4278191478 (0xFF000576)
YUV	16.3870, 50.0952, -14.3714
Hunter-Lab	11.8591, 29.0175, -77.6021

Details

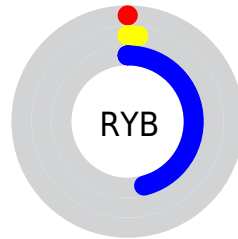
The CIELCh color **12, 73.386, 305.423** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **47, 53.206, 100.292**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **32, 73.424, 305.424**, and **4, 46.986, 302.792** is the 20% darker color. If you saturate the color by 10%, you get **12, 73.367, 305.445**, and if you desaturate by 10%, it is **14, 67.792, 303.992**.

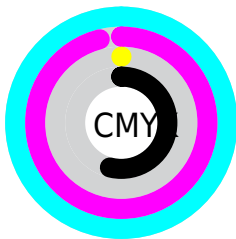
Distribution



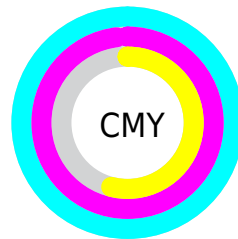
- Red (0%)
- Green (2%)
- Blue (46%)



- Red (0%)
- Yellow (2%)
- Blue (46%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (98%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 73.386, 305.423 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, 73.386, 305.423 by changing the saturation by 10% instead.

■ 12, 73.386,
305.423

■ 12, 73.386,
305.423

■ 100, 73.386,
305.423

■ 2, 73.386, 305.423

■ 32, 73.386,
305.423

■ 0, 73.386, 305.423

■ 42, 73.386,
305.423


■ 52, 73.386,
305.423


■ 62, 73.386,
305.423

■ 72, 73.386,
305.423


■ 82, 73.386,


305.423


 92, 73.386,
305.423


 12, 73.386,
305.423


 12, 73.386,
305.423


 12, 73.367,
305.445

 14, 67.792,
303.992

 17, 60.734,
302.005

 20, 52.733,
299.777

 24, 44.497,
297.555

 28, 36.384,
295.491

■ 33, 28.534,
293.653

■ 37, 20.982,
292.053

■ 41, 13.722,
290.677

■ 45, 6.737, 289.502

Harmonies

Complementary

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



12, 73.386, 305.423



47, 53.206, 100.292

Rectangle

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



12, 73.386, 305.423



12, 73.386, 355.423



12, 73.386, 125.423



12, 73.386, 175.423

Sweetspot

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



12, 73.367, 305.445



47, 26.025, 292.165



44, 29.479, 189.279



22, 17.764, 292.672



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, 73.367, 305.445



18, 89.352, 305.666



16, 70.970, 311.262



22, 3.771, 289.398



13, 75.493, 305.481



32, 130.163, 305.948

Inverse Universe

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



23, 56.085, 35.990



31, 69.407, 37.859



44, 60.312, 125.639



23, 2.752, 16.521



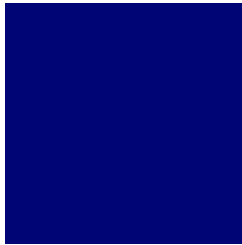
24, 57.899, 36.354



52, 101.402, 38.859

Previews

White Background



This preview shows how the CIELCh color 12, 73.386, 305.423 looks on a white background.

Color Contrast Check

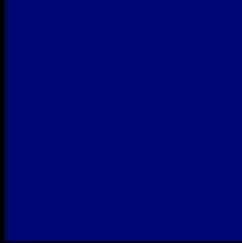
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.386, 305.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

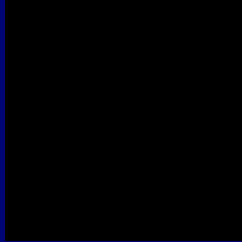
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 73.386, 305.423

Background



This preview shows how black text looks on a background with the CIELCh color 12, 73.386, 305.423.



This preview shows how white text looks on a background with the CIELCh color 12, 73.386, 305.423.

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, 73.386, 305.423

Protanopia

14, 26.901, 280.163

Deuteranopia

14, 19.027, 263.891



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
12, 73.386, 305.423

Protanomaly
12, 46.259, 297.264

Deuteranomaly
11, 40.986, 294.959

Tritanomaly
11, 31.436, 288.645

Monochromacy



Original Color
12, 73.386, 305.423

Achromatopsia
5, 0.001, 296.812

Achromatomaly
5, 29.981, 297.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 73.386, 305.423 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, 5, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 5, 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(0, 5, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 5, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 73.386, 305.423 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, 5, 118) }
```

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

```
.border{ border-color:rgb(0, 5, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 5, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 5, 118); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 5, 118); box-shadow:4px  
4px 4px 4px rgb(0, 5, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 73.386, 305.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 5, 118) }
```

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

```
.background{ background-color: rgb(0, 5,  
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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