

Converting Colors

CIELCh(12, 71.992, 305.445)

Have a look what the booklet for
CIELCh(12, 71.992, 305.445)
contains.

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Color

CIELCh(12, 71.818, 305.360)

Conversions

Conversions Part 1

Format	Color
Hex	030674
RGB	3, 6, 116
RGB Percent	1%, 2%, 45%
CMY	0.9889, 0.9767, 0.5454
CMYK	0.98, 0.95, 0.00, 0.55
HSL	238°, 95%, 23%
HSV	238°, 98%, 45%
XYZ	3.2478, 1.4064, 16.6013
YIQ	17.6430, -37.0980, 33.5740

Conversions

Conversions Part 2

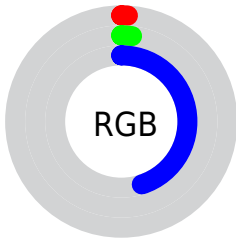
Format	Color
RYB	3, 6, 116
Decimal	198260
CIELab	12.00, 41.56, -58.57
CIELCh	12, 71.818, 305.360
Yxy	1.4064, 0.1528, 0.0662
Android (android.graphics.Color)	4278388340 (0xFF030674)
YUV	17.6430, 48.4900, -12.8419
Hunter-Lab	11.8591, 28.1325, -74.6977

Details

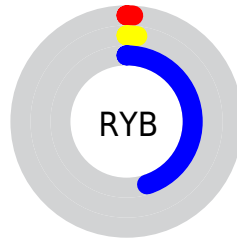
The CIELCh color **12, 71.818, 305.360** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 52.491, 101.272**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 71.777, 305.475**, and **4, 45.426, 302.226** is the 20% darker color. If you saturate the color by 10%, you get **11, 73.221, 305.712**, and if you desaturate by 10%, it is **14, 66.110, 303.852**.

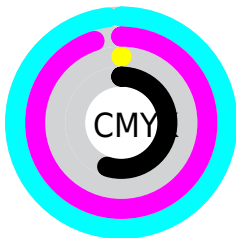
Distribution



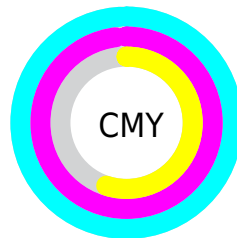
- Red (1%)
- Green (2%)
- Blue (45%)



- Red (1%)
- Yellow (2%)
- Blue (45%)



- Cyan (98%)
- Magenta (95%)
- Yellow (0%)
- Black (55%)



- Cyan (99%)
- Magenta (98%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 71.818, 305.360 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, 71.818, 305.360 by changing the saturation by 10% instead.

■ 12, 71.818,
305.360

■ 12, 71.818,
305.360

■ 100, 71.818,
305.360

■ 2, 71.818, 305.360

■ 32, 71.818,
305.360

■ 0, 71.818, 305.360

■ 42, 71.818,
305.360


■ 52, 71.818,
305.360


■ 62, 71.818,
305.360


■ 72, 71.818,
305.360


■ 82, 71.818,


305.360

 92, 71.818,
305.360


 12, 71.818,
305.360


 12, 71.818,
305.360


 11, 73.221,
305.712

 14, 66.110,
303.852

 17, 58.867,
301.860

 21, 50.805,
299.669

 25, 42.579,
297.512

 29, 34.509,
295.527

■ 33, 26.712,
293.767

■ 37, 19.215,
292.240

■ 41, 12.011,
290.930

■ 46, 5.080, 289.813

Harmonies

Complementary

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



12, 71.818, 305.360



46, 52.491, 101.272

Rectangle

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



12, 71.818, 305.360



12, 71.818, 355.360



12, 71.818, 125.360



12, 71.818, 175.360

Sweetspot

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



12, 71.819, 305.361



47, 25.135, 292.553



44, 28.513, 191.698



22, 17.500, 293.066



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, 71.819, 305.361



17, 88.889, 305.863



16, 68.704, 311.613



22, 3.826, 289.967



13, 76.219, 305.747



32, 130.695, 306.060

Inverse Universe

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



23, 54.706, 35.978



31, 68.979, 38.343



44, 59.116, 126.098



23, 2.751, 17.630



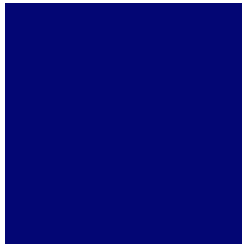
24, 58.273, 36.903



52, 101.905, 39.229

Previews

White Background



This preview shows how the CIELCh color 12, 71.818, 305.360 looks on a white background.

Color Contrast Check

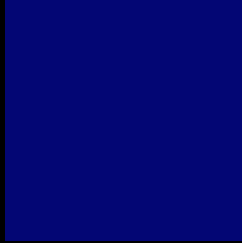
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.818, 305.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

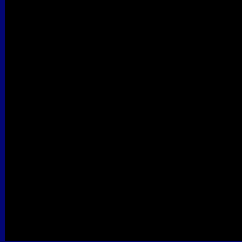
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 71.818, 305.360

Background



This preview shows how black text looks on a background with the CIELCh color 12, 71.818, 305.360.



This preview shows how white text looks on a background with the CIELCh color 12, 71.818, 305.360.

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, 71.818, 305.360

Protanopia

13, 26.948, 280.765

Deuteranopia

13, 18.987, 264.653



Tritanopia
13, 13.350, 202.769

Trichromacy



Original Color
12, 71.818, 305.360

Protanomaly
12, 44.960, 296.986

Deuteranomaly
11, 39.649, 294.570

Tritanomaly
11, 30.057, 287.885

Monochromacy



Original Color
12, 71.818, 305.360

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 29.664, 298.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 71.818, 305.360 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(3, 6, 116)` looks like.

```
.text, #text, p{  
    color:rgb(3, 6, 116)  
}
```

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(3, 6, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 6, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 71.818, 305.360 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(3, 6, 116) }
```

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

```
.border{ border-color:rgb(3, 6, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 6, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 6, 116); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 6, 116); box-shadow:4px  
4px 4px 4px rgb(3, 6, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 71.818, 305.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 6, 116) }
```

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

```
.background{ background-color: rgb(3, 6,  
116) }
```

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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