

Converting Colors

CIELCh(12, 72.229, 305.096)

Have a look what the booklet for
CIELCh(12, 72.229, 305.096)
contains.

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Color

CIELCh(12, 72.448, 305.232)

Conversions

Conversions Part 1

Format	Color
Hex	000675
RGB	0, 6, 117
RGB Percent	0%, 2%, 46%
CMY	1.0000, 0.9769, 0.5417
CMYK	1.00, 0.95, 0.00, 0.54
HSL	237°, 100%, 23%
HSV	237°, 100%, 46%
XYZ	3.2618, 1.4064, 16.8860
YIQ	16.8600, -39.2070, 33.2490

Conversions

Conversions Part 2

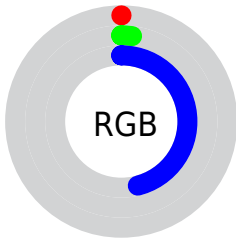
Format	Color
RYB	0, 6, 117
Decimal	1653
CIELab	12.00, 41.79, -59.18
CIELCh	12, 72.448, 305.232
Yxy	1.4064, 0.1513, 0.0652
Android (android.graphics.Color)	4278191733 (0xFF000675)
YUV	16.8600, 49.3690, -14.7862
Hunter-Lab	11.8591, 28.3430, -76.1210

Details

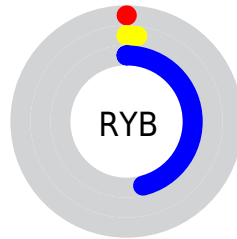
The CIELCh color **12, 72.448, 305.232** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 52.566, 99.700**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **32, 72.360, 305.273**, and **4, 46.210, 302.518** is the 20% darker color. If you saturate the color by 10%, you get **12, 72.433, 305.251**, and if you desaturate by 10%, it is **14, 66.840, 303.761**.

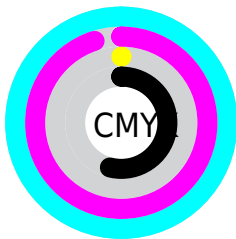
Distribution



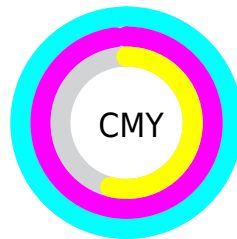
- Red (0%)
- Green (2%)
- Blue (46%)



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



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (54%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 72.448, 305.232 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, 72.448, 305.232 by changing the saturation by 10% instead.

■ 12, 72.448,
305.232

■ 12, 72.448,
305.232

■ 100, 72.448,
305.232

■ 2, 72.448, 305.232

■ 32, 72.448,
305.232

■ 0, 72.448, 305.232

■ 42, 72.448,
305.232


■ 52, 72.448,
305.232


■ 62, 72.448,
305.232


■ 72, 72.448,
305.232


■ 82, 72.448,


305.232


 92, 72.448,
305.232


 12, 72.448,
305.232


 12, 72.448,
305.232


 12, 72.433,
305.251

 14, 66.840,
303.761

 17, 59.772,
301.715

 20, 51.851,
299.450

 24, 43.739,
297.206

 28, 35.764,
295.130

■ 32, 28.051,
293.283

■ 37, 20.631,
291.676

■ 41, 13.496,
290.295

■ 45, 6.628, 289.114

Harmonies

Complementary

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



12, 72.448, 305.232



46, 52.566, 99.700

Rectangle

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



12, 72.448, 305.232



12, 72.448, 355.232



12, 72.448, 125.232



12, 72.448, 175.232

Sweetspot

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



12, 72.433, 305.251



48, 25.764, 291.793



44, 29.766, 187.046



22, 17.586, 292.303



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, 72.433, 305.251



18, 88.915, 305.529



15, 70.788, 310.936



22, 3.735, 289.011



13, 75.017, 305.304



32, 129.782, 305.867

Inverse Universe

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



23, 55.469, 35.538



31, 69.078, 37.480



44, 59.632, 125.000



23, 2.754, 15.783



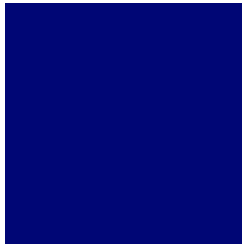
24, 57.653, 35.983



52, 101.051, 38.596

Previews

White Background



This preview shows how the CIELCh color 12, 72.448, 305.232 looks on a white background.

Color Contrast Check

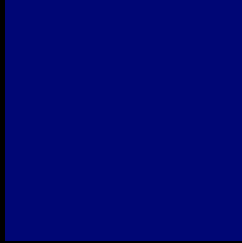
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.448, 305.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

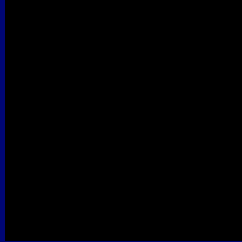
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 72.448, 305.232

Background



This preview shows how black text looks on a background with the CIELCh color 12, 72.448, 305.232.



This preview shows how white text looks on a background with the CIELCh color 12, 72.448, 305.232.

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, 72.448, 305.232

Protanopia

13, 27.595, 281.531

Deuteranopia

14, 19.027, 263.891



Tritanopia
14, 13.697, 199.481

Trichromacy



Original Color
12, 72.448, 305.232

Protanomaly
12, 45.623, 297.054

Deuteranomaly
12, 39.558, 293.952

Tritanomaly
11, 29.999, 286.993

Monochromacy



Original Color
12, 72.448, 305.232

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 29.458, 297.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 72.448, 305.232 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(0, 6, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 6, 117)  
}
```

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, 6, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 6, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 72.448, 305.232 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(0, 6, 117) }
```

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

```
.border{ border-color:rgb(0, 6, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 6, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 6, 117); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 6, 117); box-shadow:4px  
4px 4px 4px rgb(0, 6, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 72.448, 305.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 6, 117) }
```

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

```
.background{ background-color: rgb(0, 6,  
117) }
```

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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