

Converting Colors

CIELCh(12, 71.335, 307.855)

Have a look what the booklet for
CIELCh(12, 71.335, 307.855)
contains.

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Color

CIELCh(12, 71.673, 307.879)

Conversions

Conversions Part 1

Format	Color
Hex	1A0071
RGB	26, 0, 113
RGB Percent	10%, 0%, 44%
CMY	0.8986, 1.0000, 0.5572
CMYK	0.77, 1.00, 0.00, 0.56
HSL	254°, 100%, 22%
HSV	254°, 100%, 44%
XYZ	3.3969, 1.4064, 15.6874
YIQ	20.6560, -20.7770, 40.6550

Conversions

Conversions Part 2

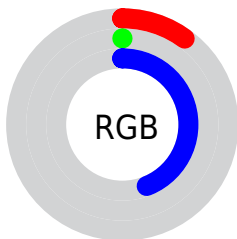
Format	Color
R_{YB}	26, 0, 113
Decimal	1704049
CIE Lab	12.00, 44.01, -56.57
CIE LCh	12, 71.673, 307.879
Yxy	1.4064, 0.1658, 0.0686
Android (android.graphics.Color)	4279894129 (0xFF1A0071)
YUV	20.6560, 45.5256, 4.6867
Hunter-Lab	11.8591, 30.3760, -70.1287

Details

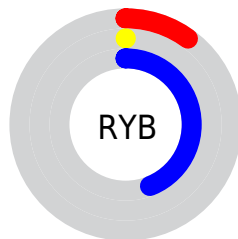
The CIELCh color **12, 71.673, 307.879** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **44, 54.788, 115.748**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 71.618, 307.944**, and **3, 43.514, 301.494** is the 20% darker color. If you saturate the color by 10%, you get **12, 71.641, 307.869**, and if you desaturate by 10%, it is **14, 66.107, 307.154**.

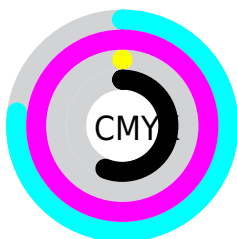
Distribution



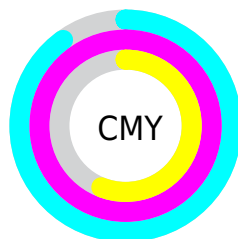
- Red (10%)
- Green (0%)
- Blue (44%)



- Red (10%)
- Yellow (0%)
- Blue (44%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (56%)





- Cyan (90%)
- Magenta (100%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 71.673, 307.879 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, 71.673, 307.879 by changing the saturation by 10% instead.

 12, 71.673,
307.879


 12, 71.673,
307.879


 100, 71.673,
307.879


 2, 71.673, 307.879


 32, 71.673,
307.879

 0, 71.673, 307.879

 42, 71.673,
307.879


 52, 71.673,
307.879


 62, 71.673,
307.879


 72, 71.673,
307.879


 82, 71.673,


307.879


 92, 71.673,
307.879


 12, 71.673,
307.879


 12, 71.673,
307.879


 12, 71.641,
307.869

 14, 66.107,
307.154

 17, 59.917,
306.435

 20, 52.590,
305.450

 24, 44.761,
304.358

 28, 36.828,
303.270

■ 32, 29.001,
302.246

■ 36, 21.380,
301.313

■ 40, 14.003,
300.481

■ 44, 6.880, 299.747

Harmonies

Complementary

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



12, 71.673, 307.879



44, 54.788, 115.748

Rectangle

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



12, 71.673, 307.879



12, 71.673, 357.879



12, 71.673, 127.879



12, 71.673, 177.879

Sweetspot

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



12, 71.641, 307.869



46, 26.713, 301.384



34, 24.186, 237.168



21, 18.209, 301.676



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



12, 71.641, 307.869



18, 87.308, 307.655



20, 65.318, 318.291



21, 3.843, 299.679



13, 74.815, 307.816



33, 128.547, 307.390

Inverse Universe

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



24, 53.500, 339.349



33, 64.729, 339.724



41, 63.060, 132.885



22, 3.907, 332.074



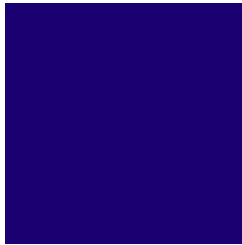
26, 55.772, 339.438



56, 94.389, 340.248

Previews

White Background



This preview shows how the CIELCh color 12, 71.673, 307.879 looks on a white background.

Color Contrast Check

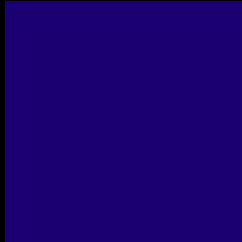
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.673, 307.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

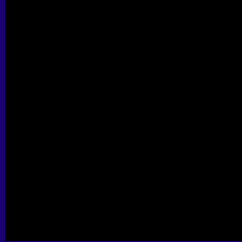
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 71.673, 307.879

Background



This preview shows how black text looks on a background with the CIELCh color 12, 71.673, 307.879.



This preview shows how white text looks on a background with the CIELCh color 12, 71.673, 307.879.

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, 71.673, 307.879

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 19.579, 265.457



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
12, 71.673, 307.879

Protanomaly
12, 46.882, 299.368

Deuteranomaly
11, 40.896, 296.972

Tritanomaly
10, 31.410, 292.434

Monochromacy



Original Color
12, 71.673, 307.879

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 30.536, 305.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 71.673, 307.879 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(26, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(26, 0, 113)  
}
```

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(26, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 0, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 71.673, 307.879 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(26, 0, 113) }
```

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

```
.border{ border-color:rgb(26, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(26, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(26, 0, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 71.673, 307.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 0, 113) }
```

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

```
.background{ background-color: rgb(26, 0,  
113) }
```

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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