

Converting Colors

CIELCh(12, 75.583, 307.107)

Have a look what the booklet for
CIELCh(12, 75.583, 307.107)
contains.

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Color

CIELCh(12, 75.383, 306.946)

Conversions

Conversions Part 1

Format	Color
Hex	0E0077
RGB	14, 0, 119
RGB Percent	5%, 0%, 47%
CMY	0.9454, 1.0000, 0.5352
CMYK	0.88, 1.00, 0.00, 0.54
HSL	247°, 100%, 23%
HSV	247°, 100%, 46%
XYZ	3.4782, 1.4064, 17.3950
YIQ	17.7520, -29.8550, 39.9770

Conversions

Conversions Part 2

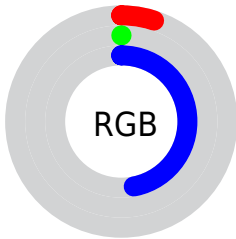
Format	Color
RYB	14, 0, 119
Decimal	917623
CIELab	12.00, 45.31, -60.25
CIELCh	12, 75.383, 306.946
Yxy	1.4064, 0.1561, 0.0631
Android (android.graphics.Color)	4279107703 (0xFF0E0077)
YUV	17.7520, 49.9153, -3.2905
Hunter-Lab	11.8591, 31.5991, -78.6661

Details

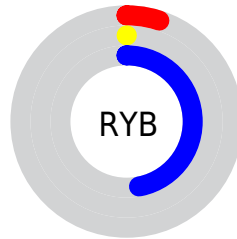
The CIELCh color **12, 75.383, 306.946** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **47, 55.508, 109.734**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 75.538, 306.878**, and **4, 48.279, 303.307** is the 20% darker color. If you saturate the color by 10%, you get **12, 75.232, 306.894**, and if you desaturate by 10%, it is **14, 69.573, 305.807**.

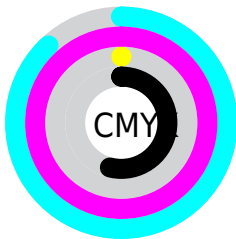
Distribution



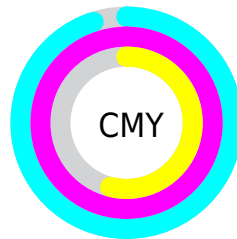
- Red (5%)
- Green (0%)
- Blue (47%)



- Red (5%)
- Yellow (0%)
- Blue (47%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (54%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 75.383, 306.946 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, 75.383, 306.946 by changing the saturation by 10% instead.

■ 12, 75.383,
306.946

■ 12, 75.383,
306.946

■ 100, 75.383,
306.946

■ 2, 75.383, 306.946

■ 32, 75.383,
306.946

■ 0, 75.383, 306.946

■ 42, 75.383,
306.946


■ 52, 75.383,
306.946


■ 62, 75.383,
306.946


■ 72, 75.383,
306.946


■ 82, 75.383,


306.946

 92, 75.383,
306.946


 12, 75.383,
306.946


 12, 75.383,
306.946

 12, 75.232,
306.894

 14, 69.573,
305.807

 17, 62.935,
304.636

 21, 55.041,
303.173

 24, 46.668,
301.628

 28, 38.269,
300.138

■ 33, 30.055,
298.775

■ 37, 22.111,
297.563

■ 41, 14.459,
296.503

■ 46, 7.096, 295.585

Harmonies

Complementary

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



12, 75.383, 306.946



47, 55.508, 109.734

Rectangle

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



12, 75.383, 306.946



12, 75.383, 356.946



12, 75.383, 126.946



12, 75.383, 176.946

Sweetspot

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



12, 75.232, 306.894



47, 27.289, 297.647



40, 25.123, 216.683



22, 18.626, 298.032



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, 75.232, 306.894



18, 90.685, 306.769



19, 68.894, 315.286



22, 3.953, 295.503



13, 77.003, 306.876



32, 131.072, 306.621

Inverse Universe

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



26, 60.042, 333.311



35, 72.079, 333.452



44, 63.725, 130.795



23, 4.388, 328.282



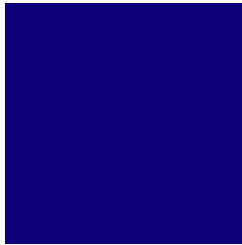
27, 61.420, 333.331



58, 103.622, 333.651

Previews

White Background



This preview shows how the CIELCh color 12, 75.383, 306.946 looks on a white background.

Color Contrast Check

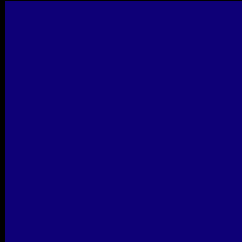
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 12, 75.383, 306.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

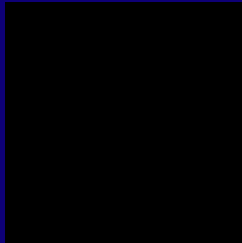
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 75.383, 306.946

Background



This preview shows how black text looks on a background with the CIELCh color 12, 75.383, 306.946.



This preview shows how white text looks on a background with the CIELCh color 12, 75.383, 306.946.

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, 75.444, 306.893

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 19.579, 265.457



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
12, 75.444, 306.893

Protanomaly
12, 48.237, 299.154

Deuteranomaly
11, 42.288, 296.732

Tritanomaly
10, 32.863, 292.078

Monochromacy



Original Color
12, 75.444, 306.893

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 32.273, 302.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 75.383, 306.946 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(14, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(14, 0, 119)  
}
```

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(14, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 0, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 75.383, 306.946 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(14, 0, 119) }
```

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

```
.border{ border-color:rgb(14, 0, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 0, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(14, 0, 119)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 75.383, 306.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 0, 119) }
```

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

```
.background{ background-color: rgb(14, 0,  
119) }
```

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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