

Converting Colors

CIELCh(16, 74.663, 309.936)

Have a look what the booklet for
CIELCh(16, 74.663, 309.936)
contains.

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Color

CIELCh(16, 74.604, 310.003)

Conversions

Conversions Part 1

Format	Color
Hex	30007C
RGB	48, 0, 124
RGB Percent	19%, 0%, 49%
CMY	0.8108, 0.9992, 0.5129
CMYK	0.61, 1.00, 0.00, 0.51
HSL	263°, 100%, 24%
HSV	263°, 100%, 49%
XYZ	4.8841, 2.0993, 19.2859
YIQ	28.4880, -11.1960, 48.7400

Conversions

Conversions Part 2

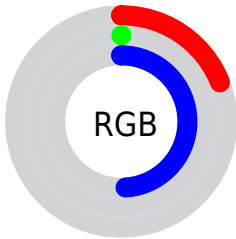
Format	Color
RYB	48, 0, 124
Decimal	3145852
CIELab	16.00, 47.96, -57.15
CIELCh	16, 74.604, 310.003
Yxy	2.0993, 0.1859, 0.0799
Android (android.graphics.Color)	4281335932 (0xFF30007C)
YUV	28.4880, 47.0874, 17.1120
Hunter-Lab	14.4890, 34.8152, -68.7771

Details

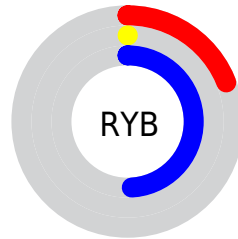
The CIELCh color **16, 74.604, 310.003** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **47, 61.392, 123.274**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 74.707, 309.887**, and **4, 51.999, 304.382** is the 20% darker color. If you saturate the color by 10%, you get **16, 74.690, 310.008**, and if you desaturate by 10%, it is **18, 69.637, 309.953**.

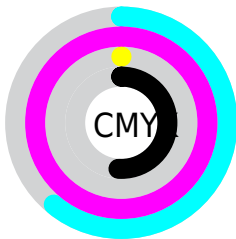
Distribution



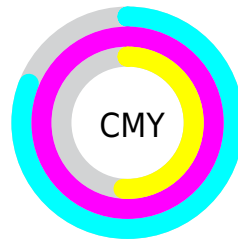
- Red (19%)
- Green (0%)
- Blue (49%)



- Red (19%)
- Yellow (0%)
- Blue (49%)



- Cyan (61%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)



- Cyan (81%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 74.604, 310.003 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 16, 74.604, 310.003 by changing the saturation by 10% instead.

■ 16, 74.604,
310.003

■ 16, 74.604,
310.003

■ 100, 74.604,
310.003

■ 6, 74.604, 310.003

■ 36, 74.604,
310.003

■ 0, 74.604, 310.003

■ 46, 74.604,
310.003


■ 56, 74.604,
310.003


■ 66, 74.604,
310.003


■ 76, 74.604,
310.003


■ 86, 74.604,


310.003


 96, 74.604,
310.003


 16, 74.604,
310.003

 16, 74.604,
310.003


 16, 74.690,
310.008

 18, 69.637,
309.953

 21, 63.665,
309.778

 24, 56.368,
309.321

 28, 48.338,
308.706

 32, 40.005,
308.026

■ 36, 31.634,
307.341

■ 40, 23.378,
306.685

■ 44, 15.314,
306.077

■ 48, 7.480, 305.523

Harmonies

Complementary

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



16, 74.604, 310.003



47, 61.392, 123.274

Rectangle

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



16, 74.604, 310.003



16, 74.604, 0.003



16, 74.604, 130.003



16, 74.604, 180.003

Sweetspot

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



16, 74.605, 310.004



51, 29.044, 306.740



31, 32.580, 268.013



24, 20.067, 306.965



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



16, 74.605, 310.004



22, 90.320, 309.759



26, 68.340, 323.876



24, 4.225, 305.482



16, 75.016, 310.002



37, 127.086, 309.447

Inverse Universe

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



26, 51.897, 350.709



35, 62.337, 351.484



45, 69.496, 135.216



24, 3.754, 338.656



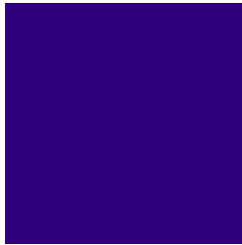
26, 52.137, 350.764



55, 86.925, 352.463

Previews

White Background



This preview shows how the CIE LCh color 16, 74.604, 310.003 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 16, 74.604, 310.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

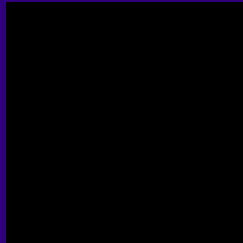
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 74.604, 310.003

Background



This preview shows how black text looks on a background with the CIELCh color 16, 74.604, 310.003.



This preview shows how white text looks on a background with the CIELCh color 16, 74.604, 310.003.

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


16, 74.604, 310.003

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 14.029, 208.356

Trichromacy



Original Color
16, 74.604, 310.003

Protanomaly
15, 51.159, 299.971

Deuteranomaly
14, 44.698, 297.895

Tritanomaly
14, 33.293, 294.189

Monochromacy



Original Color
16, 74.604, 310.003

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 32.837, 308.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 74.604, 310.003 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(48, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(48, 0, 124)  
}
```

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(48, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 74.604, 310.003 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(48, 0, 124) }
```

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

```
.border{ border-color:rgb(48, 0, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 0, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 124)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 74.604, 310.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 124) }
```

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

```
.background{ background-color: rgb(48, 0,  
124) }
```

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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