

Converting Colors

CIELCh(16, 68.914, 312.365)

Have a look what the booklet for
CIELCh(16, 68.914, 312.365)
contains.

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Color

CIELCh(16, 69.077, 312.276)

Conversions

Conversions Part 1

Format	Color
Hex	390073
RGB	57, 0, 115
RGB Percent	22%, 0%, 45%
CMY	0.7769, 1.0000, 0.5494
CMYK	0.50, 1.00, 0.00, 0.55
HSL	270°, 100%, 23%
HSV	270°, 100%, 45%
XYZ	4.7677, 2.0993, 16.3405
YIQ	30.1530, -2.9430, 47.8490

Conversions

Conversions Part 2

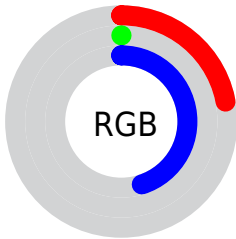
Format	Color
R_{YB}	57, 0, 115
Decimal	3735667
CIE _{Lab}	16.00, 46.47, -51.11
CIE _{LCh}	16, 69.077, 312.276
Yxy	2.0993, 0.2054, 0.0905
Android (android.graphics.Color)	4281925747 (0xFF390073)
YUV	30.1530, 41.8296, 23.5448
Hunter-Lab	14.4890, 33.3806, -56.7244

Details

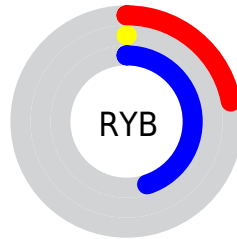
The CIELCh color **16, 69.077, 312.276** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **43, 60.066, 127.184**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 68.764, 312.306**, and **4, 45.936, 302.483** is the 20% darker color. If you saturate the color by 10%, you get **16, 69.037, 312.265**, and if you desaturate by 10%, it is **18, 64.546, 312.382**.

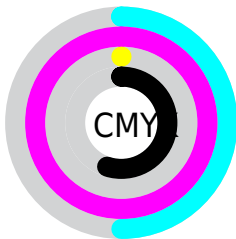
Distribution



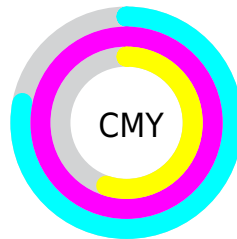
- Red (22%)
- Green (0%)
- Blue (45%)



- Red (22%)
- Yellow (0%)
- Blue (45%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (55%)





- Cyan (78%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 69.077, 312.276 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, 69.077, 312.276 by changing the saturation by 10% instead.

 16, 69.077,
312.276


 16, 69.077,
312.276


 100, 69.077,
312.276


 6, 69.077, 312.276


 36, 69.077,
312.276

 0, 69.077, 312.276

 46, 69.077,
312.276


 56, 69.077,
312.276


 66, 69.077,
312.276


 76, 69.077,
312.276


 86, 69.077,


312.276


 96, 69.077,
312.276


 16, 69.077,
312.276


 16, 69.077,
312.276


 16, 69.037,
312.265

 18, 64.546,
312.382

 20, 59.328,
312.424

 23, 52.852,
312.200

 26, 45.596,
311.808

 30, 37.941,
311.326

■ 33, 30.148,
310.806

■ 37, 22.383,
310.286

■ 41, 14.740,
309.785

■ 45, 7.273, 309.314

Harmonies

Complementary

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



16, 69.077, 312.276



43, 60.066, 127.184

Rectangle

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



16, 69.077, 312.276



16, 69.077, 2.276



16, 69.077, 132.276



16, 69.077, 182.276

Sweetspot

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



16, 69.037, 312.265



48, 27.942, 310.326



25, 37.233, 280.240



23, 19.282, 310.500



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



16, 69.037, 312.265



23, 84.123, 311.969



26, 64.201, 327.602



23, 4.158, 309.271



17, 72.287, 312.189



40, 123.267, 311.576

Inverse Universe

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



23, 47.284, 359.621



32, 57.301, 0.796



42, 66.384, 135.895



23, 3.362, 344.052



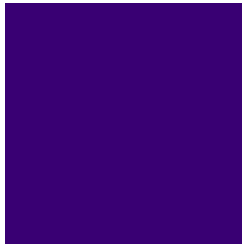
25, 49.438, 359.919



54, 83.405, 2.418

Previews

White Background



This preview shows how the CIELCh color 16, 69.077, 312.276 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, 69.077, 312.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

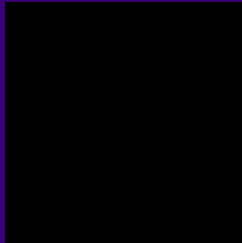
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 69.077, 312.276

Background



This preview shows how black text looks on a background with the CIELCh color 16, 69.077, 312.276.



This preview shows how white text looks on a background with the CIELCh color 16, 69.077, 312.276.

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

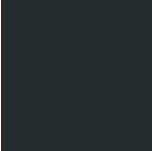
16, 69.077, 312.276

Protanopia

17, 32.899, 283.154

Deuteranopia

17, 23.144, 268.064



Tritanopia
18, 3.706, 233.033

Trichromacy



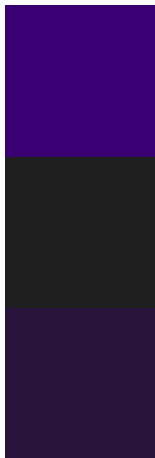
Original Color
16, 69.077, 312.276

Protanomaly
15, 49.219, 300.120

Deuteranomaly
14, 42.701, 298.049

Tritanomaly
15, 30.670, 307.975

Monochromacy



Original Color
16, 69.077, 312.276

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 30.933, 312.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 69.077, 312.276 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(57, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(57, 0, 115)  
}
```

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(57, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 0, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 69.077, 312.276 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(57, 0, 115) }
```

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

```
.border{ border-color:rgb(57, 0, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 0, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(57, 0, 115)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 69.077, 312.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 0, 115) }
```

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

```
.background{ background-color: rgb(57, 0,  
115) }
```

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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