

Converting Colors

CIELCh(16, 75.311, 309.656)

Have a look what the booklet for
CIELCh(16, 75.311, 309.656)
contains.

CIELCh(16, 75.336, 309.635)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 75.336, 309.635)

Conversions

Conversions Part 1

Format	Color
Hex	2E017E
RGB	46, 1, 126
RGB Percent	18%, 0%, 49%
CMY	0.8177, 0.9978, 0.5076
CMYK	0.63, 1.00, 0.00, 0.51
HSL	262°, 99%, 25%
HSV	262°, 100%, 49%
XYZ	4.8919, 2.0993, 19.7378
YIQ	28.7050, -13.3050, 48.4150

Conversions

Conversions Part 2

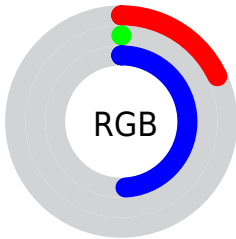
Format	Color
RYB	46, 1, 126
Decimal	3015038
CIELab	16.00, 48.06, -58.02
CIElCh	16, 75.336, 309.635
Yxy	2.0993, 0.1830, 0.0785
Android (android.graphics.Color)	4281205118 (0xFF2E017E)
YUV	28.7050, 47.9664, 15.1677
Hunter-Lab	14.4890, 34.9113, -70.6264

Details

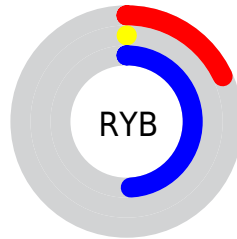
The CIELCh color **16, 75.336, 309.635** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **48, 61.398, 122.423**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 75.230, 309.381**, and **5, 53.421, 304.725** is the 20% darker color. If you saturate the color by 10%, you get **16, 75.581, 309.650**, and if you desaturate by 10%, it is **18, 70.291, 309.547**.

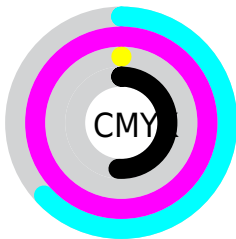
Distribution



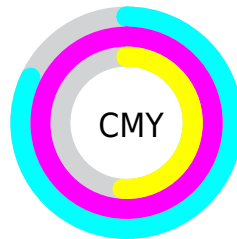
- Red (18%)
- Green (0%)
- Blue (49%)



- Red (18%)
- Yellow (0%)
- Blue (49%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)



- Cyan (82%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 75.336, 309.635 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, 75.336, 309.635 by changing the saturation by 10% instead.

■ 16, 75.336,
309.635

■ 16, 75.336,
309.635

■ 100, 75.336,
309.635

■ 6, 75.336, 309.635

■ 36, 75.336,
309.635

■ 0, 75.336, 309.635

■ 46, 75.336,
309.635


■ 56, 75.336,
309.635


■ 66, 75.336,
309.635


■ 76, 75.336,
309.635


■ 86, 75.336,


309.635


 96, 75.336,
309.635


 16, 75.336,
309.635


 16, 75.336,
309.635


 16, 75.581,
309.650

 18, 70.291,
309.547

 21, 64.144,
309.308

 24, 56.681,
308.790

 28, 48.511,
308.121

 32, 40.067,
307.395

■ 36, 31.611,
306.673

■ 40, 23.289,
305.987

■ 44, 15.173,
305.356

■ 49, 7.296, 304.783

Harmonies

Complementary

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



16, 75.336, 309.635



48, 61.398, 122.423

Rectangle

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



16, 75.336, 309.635



16, 75.336, 359.635



16, 75.336, 129.635



16, 75.336, 179.635

Sweetspot

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



16, 75.337, 309.636



51, 29.350, 306.064



32, 31.785, 265.437



24, 20.022, 306.297



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, 75.337, 309.636



22, 91.750, 309.405



26, 68.912, 323.275



25, 4.358, 304.759



16, 76.434, 309.634



0, 0.000, 0.000

Inverse Universe

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



27, 52.785, 349.081



36, 63.686, 349.861



46, 69.821, 135.089



25, 3.940, 337.737



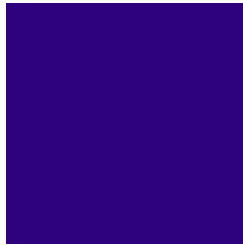
27, 53.421, 349.219



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 16, 75.336, 309.635 looks on a white background.

Color Contrast Check

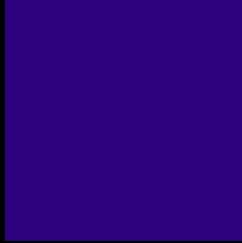
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 75.336, 309.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

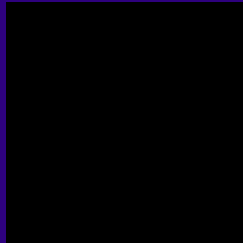
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 75.336, 309.635

Background



This preview shows how black text looks on a background with the CIELCh color 16, 75.336, 309.635.



This preview shows how white text looks on a background with the CIELCh color 16, 75.336, 309.635.

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, 75.450, 309.500

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 14.981, 207.449

Trichromacy



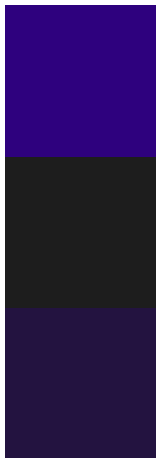
Original Color
16, 75.450, 309.500

Protanomaly
15, 51.801, 299.944

Deuteranomaly
14, 44.722, 297.707

Tritanomaly
14, 34.050, 293.137

Monochromacy



Original Color
16, 75.450, 309.500

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 32.843, 308.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 75.336, 309.635 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(46, 1, 126)` looks like.

```
.text, #text, p{  
    color:rgb(46, 1, 126)  
}
```

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(46, 1, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 1, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 75.336, 309.635 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(46, 1, 126) }
```

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

```
.border{ border-color:rgb(46, 1, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 1, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 1, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 1, 126);  
box-shadow:4px 4px 4px 4px rgb(46, 1, 126)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 75.336, 309.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 1, 126) }
```

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

```
.background{ background-color: rgb(46, 1,  
126) }
```

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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