

Converting Colors

CIELCh(16, 61.598, 316.071)

Have a look what the booklet for
CIELCh(16, 61.598, 316.071)
contains.

CIELCh(16, 61.611, 316.039)	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, 61.611, 316.039)

Conversions

Conversions Part 1

Format	Color
Hex	410066
RGB	65, 0, 102
RGB Percent	25%, 0%, 40%
CMY	0.7443, 0.9991, 0.5992
CMYK	0.36, 1.00, 0.00, 0.60
HSL	278°, 100%, 20%
HSV	278°, 100%, 40%
XYZ	4.6051, 2.0993, 12.7868
YIQ	31.0630, 5.9980, 45.5020

Conversions

Conversions Part 2

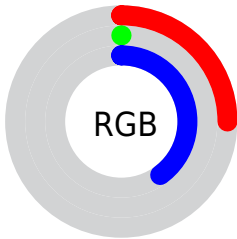
Format	Color
RYB	65, 0, 102
Decimal	4259942
CIELab	16.00, 44.35, -42.77
CIELCh	16, 61.611, 316.039
Yxy	2.0993, 0.2363, 0.1077
Android (android.graphics.Color)	4282450022 (0xFF410066)
YUV	31.0630, 34.9719, 29.7627
Hunter-Lab	14.4890, 31.3780, -42.1822

Details

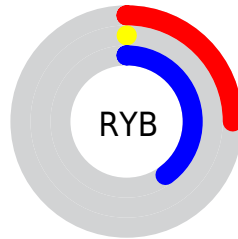
The CIELCh color **16, 61.611, 316.039** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 57.447, 131.042**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 61.512, 316.097**, and **3, 36.770, 303.647** is the 20% darker color. If you saturate the color by 10%, you get **16, 61.699, 316.038**, and if you desaturate by 10%, it is **18, 57.762, 316.230**.

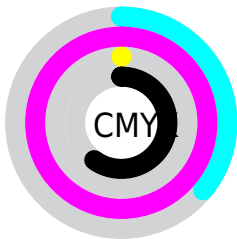
Distribution



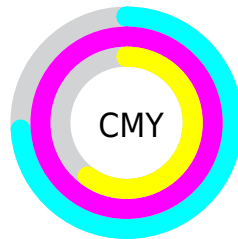
- Red (25%)
- Green (0%)
- Blue (40%)



- Red (25%)
- Yellow (0%)
- Blue (40%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (60%)





- Cyan (74%)
- Magenta (100%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 61.611, 316.039 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, 61.611, 316.039 by changing the saturation by 10% instead.

 16, 61.611,
316.039


 16, 61.611,
316.039


 100, 61.611,
316.039


 6, 61.611, 316.039


 36, 61.611,
316.039

 0, 61.611, 316.039

 46, 61.611,
316.039


 56, 61.611,
316.039


 66, 61.611,
316.039


 76, 61.611,
316.039


 86, 61.611,


316.039


 96, 61.611,
316.039


 16, 61.611,
316.039


 16, 61.611,
316.039


 16, 61.699,
316.038

 18, 57.762,
316.230

 20, 53.419,
316.379

 22, 47.919,
316.304

 25, 41.617,
316.069

 27, 34.828,
315.733

■ 30, 27.796,
315.339

■ 34, 20.691,
314.920

■ 37, 13.626,
314.497

■ 40, 6.670, 314.081

Harmonies

Complementary

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



16, 61.611, 316.039



38, 57.447, 131.042

Rectangle

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



16, 61.611, 316.039



16, 61.611, 6.039



16, 61.611, 136.039



16, 61.611, 186.039

Sweetspot

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



16, 61.611, 316.039



43, 25.829, 314.966



17, 44.487, 292.297



20, 17.514, 315.090



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



16, 61.611, 316.039



22, 74.444, 315.748



22, 53.453, 333.975



19, 3.816, 314.045



19, 67.032, 315.901



43, 116.741, 315.283

Inverse Universe

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



20, 43.302, 11.879



27, 52.408, 13.613



37, 58.060, 138.176



19, 2.732, 352.473



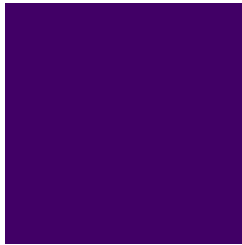
23, 47.141, 12.736



51, 82.584, 16.299

Previews

White Background



This preview shows how the CIELCh color 16, 61.611, 316.039 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, 61.611, 316.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

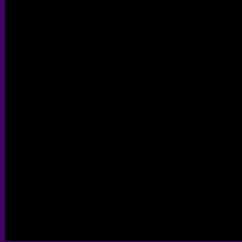
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 61.611, 316.039

Background



This preview shows how black text looks on a background with the CIELCh color 16, 61.611, 316.039.



This preview shows how white text looks on a background with the CIELCh color 16, 61.611, 316.039.

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, 61.611, 316.039

Protanopia

17, 32.899, 283.154

Deuteranopia

18, 23.707, 269.229



Tritanopia

18, 7.150, 4.431

Trichromacy



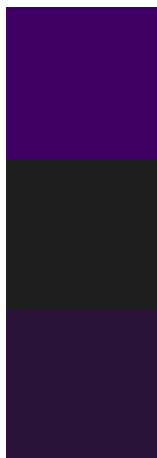
Original Color
16, 61.611, 316.039

Protanomaly
14, 46.629, 300.289

Deuteranomaly
14, 40.036, 298.218

Tritanomaly
16, 29.376, 321.644

Monochromacy



Original Color
16, 61.611, 316.039

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 27.788, 315.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 61.611, 316.039 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(65, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 102)  
}
```

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(65, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 61.611, 316.039 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(65, 0, 102) }
```

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

```
.border{ border-color:rgb(65, 0, 102) }
```

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

Here you see how a box with a 4 pixel rgb(65, 0, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(65, 0, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 61.611, 316.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 102) }
```

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

```
.background{ background-color: rgb(65, 0,  
102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor