

Converting Colors

CIELCh(16, 64.690, 314.050)

Have a look what the booklet for
CIELCh(16, 64.690, 314.050)
contains.

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Color

CIELCh(16, 64.727, 313.917)

Conversions

Conversions Part 1

Format	Color
Hex	3D016C
RGB	61, 1, 108
RGB Percent	24%, 0%, 42%
CMY	0.7606, 0.9959, 0.5763
CMYK	0.44, 0.99, 0.00, 0.58
HSL	274°, 98%, 21%
HSV	274°, 99%, 42%
XYZ	4.6467, 2.0993, 14.3579
YIQ	31.1380, 1.4130, 45.9970

Conversions

Conversions Part 2

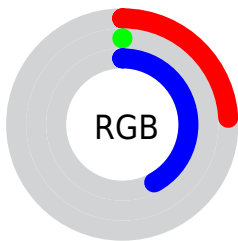
Format	Color
R_{YB}	61, 1, 108
Decimal	3998060
CIE _{Lab}	16.00, 44.90, -46.63
CIE _{LCh}	16, 64.727, 313.917
Yxy	2.0993, 0.2202, 0.0995
Android (android.graphics.Color)	4282188140 (0xFF3D016C)
YUV	31.1380, 37.8930, 26.1890
Hunter-Lab	14.4890, 31.8906, -48.6112

Details

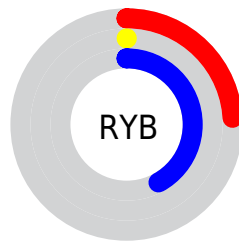
The CIELCh color **16, 64.727, 313.917** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 58.270, 129.101**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 64.571, 313.905**, and **3, 40.394, 301.473** is the 20% darker color. If you saturate the color by 10%, you get **16, 65.160, 313.915**, and if you desaturate by 10%, it is **18, 60.570, 314.101**.

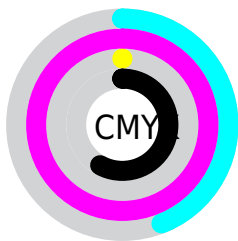
Distribution



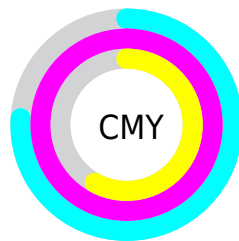
- Red (24%)
- Green (0%)
- Blue (42%)



- Red (24%)
- Yellow (0%)
- Blue (42%)



- Cyan (44%)
- Magenta (99%)
- Yellow (0%)
- Black (58%)



- Cyan (76%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 64.727, 313.917 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, 64.727, 313.917 by changing the saturation by 10% instead.

■ 16, 64.727,
313.917

■ 16, 64.727,
313.917

■ 100, 64.727,
313.917

■ 6, 64.727, 313.917

■ 36, 64.727,
313.917

■ 0, 64.727, 313.917

■ 46, 64.727,
313.917


■ 56, 64.727,
313.917


■ 66, 64.727,
313.917


■ 76, 64.727,
313.917


■ 86, 64.727,


313.917


 96, 64.727,
313.917


 16, 64.727,
313.917


 16, 64.727,
313.917


 16, 65.160,
313.915

 18, 60.570,
314.101

 20, 55.673,
314.187

 23, 49.617,
314.034

 26, 42.809,
313.721

 29, 35.589,
313.315

■ 32, 28.200,
312.864

■ 35, 20.801,
312.401

■ 39, 13.492,
311.947

■ 42, 6.329, 311.511

Harmonies

Complementary

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



16, 64.727, 313.917



40, 58.270, 129.101

Rectangle

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



16, 64.727, 313.917



16, 64.727, 3.917



16, 64.727, 133.917



16, 64.727, 183.917

Sweetspot

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



16, 64.727, 313.918



45, 26.666, 312.483



21, 39.818, 285.990



21, 18.387, 312.630



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



16, 64.727, 313.918



22, 78.777, 313.616



24, 58.942, 330.194



20, 3.906, 311.507



18, 69.143, 313.813



41, 119.612, 313.171

Inverse Universe

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



22, 44.660, 4.941



29, 54.108, 6.662



39, 62.223, 136.831



21, 2.982, 347.745



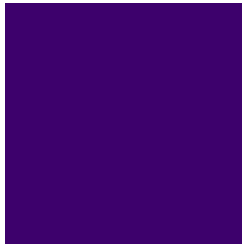
24, 47.573, 5.733



52, 81.923, 8.815

Previews

White Background



This preview shows how the CIE LCh color 16, 64.727, 313.917 looks on a white background.

Color Contrast Check

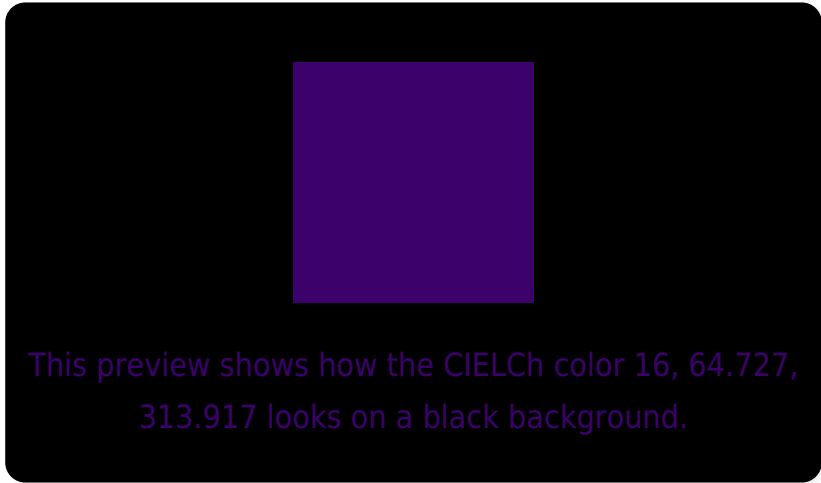
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

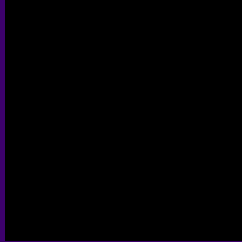
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 64.727, 313.917

Background



This preview shows how black text looks on a background with the CIELCh color 16, 64.727, 313.917.



This preview shows how white text looks on a background with the CIELCh color 16, 64.727, 313.917.

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, 64.727, 313.917

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 23.144, 268.064



Tritanopia
18, 3.170, 339.248

Trichromacy



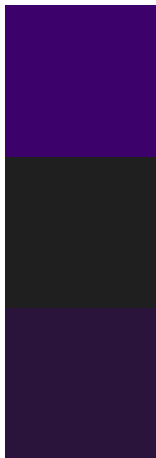
Original Color
16, 64.727, 313.917

Protanomaly
14, 47.317, 299.977

Deuteranomaly
14, 41.385, 297.978

Tritanomaly
15, 29.935, 315.128

Monochromacy



Original Color
16, 64.727, 313.917

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 28.994, 313.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 64.727, 313.917 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(61, 1, 108)` looks like.

```
.text, #text, p{  
    color:rgb(61, 1, 108)  
}
```

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(61, 1, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 1, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 64.727, 313.917 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(61, 1, 108) }
```

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

```
.border{ border-color:rgb(61, 1, 108) }
```

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

Here you see how a box with a 4 pixel rgb(61, 1, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 1, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 1, 108);  
box-shadow:4px 4px 4px 4px rgb(61, 1, 108)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 64.727, 313.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 1, 108) }
```

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

```
.background{ background-color: rgb(61, 1,  
108) }
```

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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