

Converting Colors

CIELCh(16, 58.404, 315.770)

Have a look what the booklet for
CIELCh(16, 58.404, 315.770)
contains.

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Color

CIELCh(16, 58.367, 315.852)

Conversions

Conversions Part 1

Format	Color
Hex	400563
RGB	64, 5, 99
RGB Percent	25%, 2%, 39%
CMY	0.7490, 0.9804, 0.6118
CMYK	0.35, 0.95, 0.00, 0.61
HSL	278°, 90%, 20%
HSV	278°, 95%, 39%
XYZ	4.4206, 2.0993, 11.9762
YIQ	33.3570, 4.9900, 41.7420

Conversions

Conversions Part 2

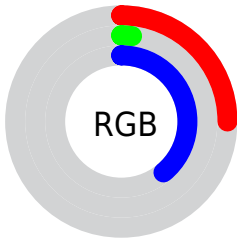
Format	Color
R_{YB}	64, 5, 99
Decimal	4195683
CIE _{Lab}	16.00, 41.88, -40.65
CIE _{LCh}	16, 58.367, 315.852
Yxy	2.0993, 0.2390, 0.1135
Android (android.graphics.Color)	4282385763 (0xFF400563)
YUV	33.3570, 32.3620, 26.8739
Hunter-Lab	14.4890, 29.1050, -38.8651

Details

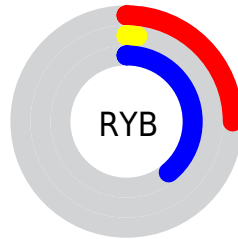
The CIELCh color **16, 58.367, 315.852** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 54.323, 130.717**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 58.739, 315.771**, and **3, 34.224, 302.403** is the 20% darker color. If you saturate the color by 10%, you get **15, 60.426, 315.808**, and if you desaturate by 10%, it is **18, 54.494, 316.060**.

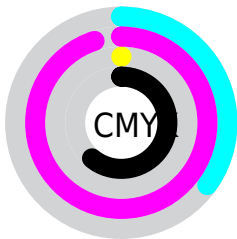
Distribution



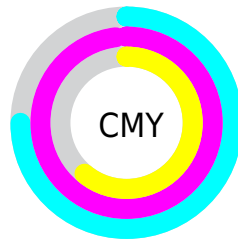
- Red (25%)
- Green (2%)
- Blue (39%)



- Red (25%)
- Yellow (2%)
- Blue (39%)



- Cyan (35%)
- Magenta (95%)
- Yellow (0%)
- Black (61%)



- Cyan (75%)
- Magenta (98%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 58.367, 315.852 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, 58.367, 315.852 by changing the saturation by 10% instead.

■ 16, 58.367,
315.852

■ 16, 58.367,
315.852

■ 100, 58.367,
315.852

■ 6, 58.367, 315.852

■ 36, 58.367,
315.852

■ 0, 58.367, 315.852

■ 46, 58.367,
315.852


■ 56, 58.367,
315.852


■ 66, 58.367,
315.852


■ 76, 58.367,
315.852


■ 86, 58.367,


315.852


 96, 58.367,
315.852


 16, 58.367,
315.852


 16, 58.367,
315.852


 15, 60.426,
315.808

 18, 54.494,
316.060

 20, 49.606,
316.080

 22, 43.780,
315.909

 25, 37.349,
315.611

 28, 30.586,
315.236

■ 31, 23.685,
314.824

■ 34, 16.781,
314.399

■ 37, 9.956, 313.979

■ 40, 3.262, 313.560

Harmonies

Complementary

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



16, 58.367, 315.852



37, 54.323, 130.717

Rectangle

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



16, 58.367, 315.852



16, 58.367, 5.852



16, 58.367, 135.852



16, 58.367, 185.852

Sweetspot

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



16, 58.367, 315.852



42, 23.263, 314.563



18, 39.861, 289.472



19, 15.956, 314.691



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



16, 58.367, 315.852



21, 72.481, 315.515



22, 51.875, 332.908



18, 3.645, 313.726



18, 66.077, 315.655



42, 116.037, 315.010

Inverse Universe

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



20, 41.003, 9.061



26, 50.812, 12.484



36, 55.650, 138.328



18, 2.630, 351.843



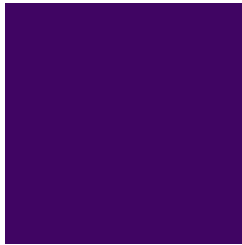
22, 46.296, 11.698



51, 81.664, 15.332

Previews

White Background



This preview shows how the CIELCh color 16, 58.367, 315.852 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, 58.367, 315.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

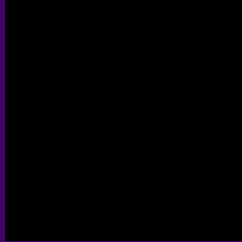
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 58.367, 315.852

Background



This preview shows how black text looks on a background with the CIELCh color 16, 58.367, 315.852.



This preview shows how white text looks on a background with the CIELCh color 16, 58.367, 315.852.

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, 58.367, 315.852

Protanopia

17, 32.326, 283.059

Deuteranopia

17, 23.126, 268.693



Tritanopia
17, 7.176, 4.473

Trichromacy



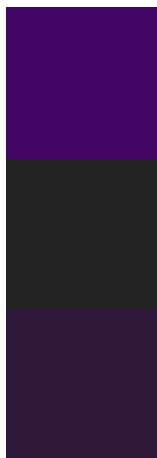
Original Color
16, 58.367, 315.852

Protanomaly
14, 44.030, 299.215

Deuteranomaly
14, 37.997, 296.947

Tritanomaly
16, 27.423, 321.950

Monochromacy



Original Color
16, 58.367, 315.852

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 25.594, 315.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 58.367, 315.852 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(64, 5, 99)` looks like.

```
.text, #text, p{  
    color:rgb(64, 5, 99)  
}
```

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(64, 5, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 5, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 58.367, 315.852 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(64, 5, 99) }
```

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

```
.border{ border-color:rgb(64, 5, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 5, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 5, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 5, 99); box-shadow:4px  
4px 4px 4px rgb(64, 5, 99) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 58.367, 315.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 5, 99) }
```

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

```
.background{ background-color: rgb(64, 5,  
99) }
```

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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