

Converting Colors

CIELCh(16, 40.065, 312.791)

Have a look what the booklet for
CIELCh(16, 40.065, 312.791)
contains.

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Color

CIELCh(16, 39.868, 312.978)

Conversions

Conversions Part 1

Format	Color
Hex	371952
RGB	55, 25, 82
RGB Percent	22%, 10%, 32%
CMY	0.7851, 0.9027, 0.6793
CMYK	0.33, 0.70, 0.00, 0.68
HSL	272°, 53%, 21%
HSV	272°, 70%, 32%
XYZ	3.4225, 2.0993, 8.1654
YIQ	40.4680, -0.4170, 24.0870

Conversions

Conversions Part 2

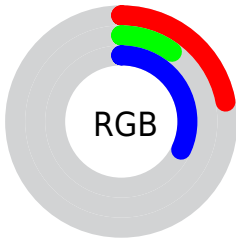
Format	Color
R_{YB}	55, 25, 82
Decimal	3610962
CIE _{Lab}	16.00, 27.18, -29.17
CIE _{LCh}	16, 39.868, 312.978
Yxy	2.0993, 0.2501, 0.1534
Android (android.graphics.Color)	4281801042 (0xFF371952)
YUV	40.4680, 20.4753, 12.7446
Hunter-Lab	14.4890, 16.8088, -23.2712

Details

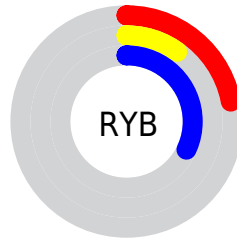
The CIELCh color **16, 39.868, 312.978** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 36.484, 127.269**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 40.115, 312.879**, and **1, 22.542, 292.093** is the 20% darker color. If you saturate the color by 10%, you get **14, 44.921, 313.210**, and if you desaturate by 10%, it is **18, 34.323, 312.614**.

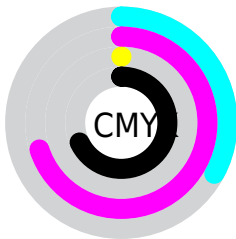
Distribution



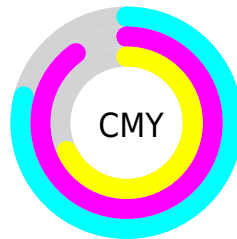
- Red (22%)
- Green (10%)
- Blue (32%)



- Red (22%)
- Yellow (10%)
- Blue (32%)



- Cyan (33%)
- Magenta (70%)
- Yellow (0%)
- Black (68%)



- Cyan (79%)
- Magenta (90%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 39.868, 312.978 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, 39.868, 312.978 by changing the saturation by 10% instead.

■ 16, 39.868,
312.978

■ 16, 39.868,
312.978

■ 100, 39.868,
312.978

■ 6, 39.868, 312.978

■ 36, 39.868,
312.978

■ 0, 39.868, 312.978

■ 46, 39.868,
312.978


■ 56, 39.868,
312.978


■ 66, 39.868,
312.978


■ 76, 39.868,
312.978


■ 86, 39.868,


312.978


 96, 39.868,
312.978


 16, 39.868,
312.978


 16, 39.868,
312.978


 14, 44.921,
313.210


 18, 34.323,
312.614


 12, 49.209,
313.245


 21, 28.526,
312.177

 10, 53.714,
313.459

 24, 22.642,
311.709

 10, 53.879,
313.473

 26, 16.778,
311.239

 29, 10.999,
310.783

■ 32, 5.341, 310.349

■ 35, 0.175, 130.346

■ 38, 5.543, 129.618

■ 41, 10.760,
129.286

Harmonies

Complementary

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



16, 39.868, 312.978



31, 36.484, 127.269

Rectangle

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



16, 39.868, 312.978



16, 39.868, 2.978



16, 39.868, 132.978



16, 39.868, 182.978

Sweetspot

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



16, 39.868, 312.978



38, 14.709, 310.876



21, 21.046, 270.956



17, 9.856, 310.942



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 39.868, 312.978



18, 58.072, 313.252



20, 40.511, 328.082



15, 3.078, 310.309



15, 64.091, 313.108



38, 115.711, 312.345

Inverse Universe

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



19, 29.697, 353.101



23, 41.514, 357.060



30, 41.102, 139.218



15, 2.421, 345.703



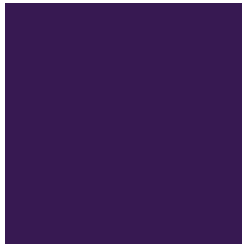
21, 44.010, 1.921



50, 78.637, 5.247

Previews

White Background



This preview shows how the CIE LCh color 16, 39.868, 312.978 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, 39.868, 312.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

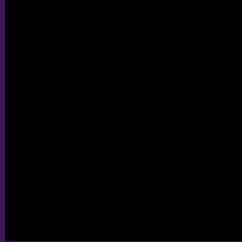
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 39.868, 312.978

Background



This preview shows how black text looks on a background with the CIELCh color 16, 39.868, 312.978.



This preview shows how white text looks on a background with the CIELCh color 16, 39.868, 312.978.

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, 39.868, 312.978

Protanopia

16, 31.173, 282.856

Deuteranopia

16, 23.099, 269.968



Tritanopia
16, 4.868, 355.201

Trichromacy



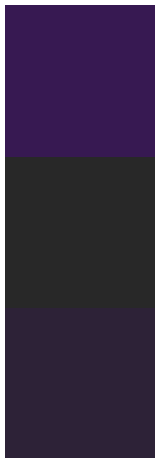
Original Color
16, 39.868, 312.978

Protanomaly
15, 34.379, 292.773

Deuteranomaly
15, 28.225, 288.245

Tritanomaly
16, 17.714, 318.463

Monochromacy



Original Color
16, 39.868, 312.978

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 15.589, 311.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 39.868, 312.978 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(55, 25, 82)` looks like.

```
.text, #text, p{  
    color:rgb(55, 25, 82)  
}
```

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(55, 25, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 25, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 39.868, 312.978 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(55, 25, 82) }
```

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

```
.border{ border-color:rgb(55, 25, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 25, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 25, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 25, 82);  
box-shadow:4px 4px 4px 4px rgb(55, 25, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 39.868, 312.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 25, 82) }
```

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

```
.background{ background-color: rgb(55, 25,  
82) }
```

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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