

Converting Colors

CIELCh(16, 78.650, 308.468)

Have a look what the booklet for
CIELCh(16, 78.650, 308.468)
contains.

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Color

CIELCh(16, 78.613, 308.450)

Conversions

Conversions Part 1

Format	Color
Hex	270183
RGB	39, 1, 131
RGB Percent	15%, 0%, 51%
CMY	0.8465, 0.9957, 0.4859
CMYK	0.70, 0.99, 0.00, 0.49
HSL	258°, 98%, 26%
HSV	258°, 99%, 51%
XYZ	4.9575, 2.0993, 21.6526
YIQ	27.1820, -19.0820, 48.4860

Conversions

Conversions Part 2

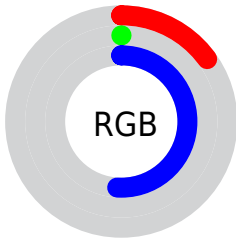
Format	Color
R_{YB}	39, 1, 131
Decimal	2556291
CIE _{Lab}	16.00, 48.88, -61.57
CIE _{LCh}	16, 78.613, 308.450
Yxy	2.0993, 0.1727, 0.0731
Android (android.graphics.Color)	4280746371 (0xFF270183)
YUV	27.1820, 51.1823, 10.3644
Hunter-Lab	14.4890, 35.7194, -78.4617

Details

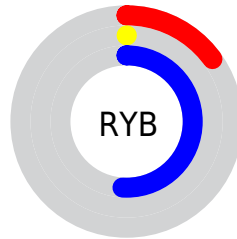
The CIELCh color **16, 78.613, 308.450** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **50, 61.853, 119.074**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 78.545, 308.455**, and **5, 56.146, 305.286** is the 20% darker color. If you saturate the color by 10%, you get **16, 79.083, 308.493**, and if you desaturate by 10%, it is **18, 73.292, 308.179**.

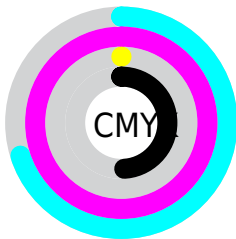
Distribution



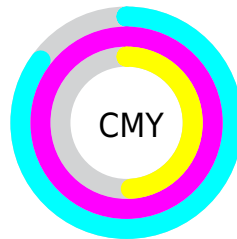
- Red (15%)
- Green (0%)
- Blue (51%)



- Red (15%)
- Yellow (0%)
- Blue (51%)



- Cyan (70%)
- Magenta (99%)
- Yellow (0%)
- Black (49%)





- Cyan (85%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 78.613, 308.450 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, 78.613, 308.450 by changing the saturation by 10% instead.

 16, 78.613,
308.450


 16, 78.613,
308.450


 100, 78.613,
308.450


 6, 78.613, 308.450


 36, 78.613,
308.450

 0, 78.613, 308.450

 46, 78.613,
308.450

 56, 78.613,
308.450


 66, 78.613,
308.450


 76, 78.613,
308.450

 86, 78.613,


308.450


 96, 78.613,
308.450


 16, 78.613,
308.450

 16, 78.613,
308.450


 16, 79.083,
308.493

 18, 73.292,
308.179

 21, 66.607,
307.702

 25, 58.579,
306.944

 29, 49.900,
306.054

 33, 41.029,
305.138

■ 37, 32.224,
304.256

■ 42, 23.614,
303.442

■ 46, 15.258,
302.706

■ 51, 7.175, 302.051

Harmonies

Complementary

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



16, 78.613, 308.450



50, 61.853, 119.074

Rectangle

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



16, 78.613, 308.450



16, 78.613, 358.450



16, 78.613, 128.450



16, 78.613, 178.450

Sweetspot

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



16, 78.614, 308.451



53, 30.232, 303.561



37, 28.686, 251.045



25, 20.910, 303.851



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



16, 78.614, 308.451



22, 96.244, 308.284



25, 71.731, 320.358



26, 4.455, 302.050



16, 78.617, 308.500



0, 1.052, 301.525

Inverse Universe

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



29, 56.794, 343.627



38, 68.773, 344.228



48, 71.040, 134.157



26, 4.294, 334.553



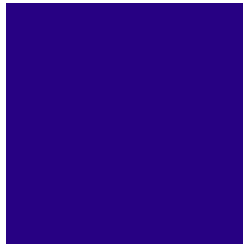
28, 56.586, 343.740



0, 1.021, 333.991

Previews

White Background



This preview shows how the CIE LCh color 16, 78.613, 308.450 looks on a white background.

Color Contrast Check

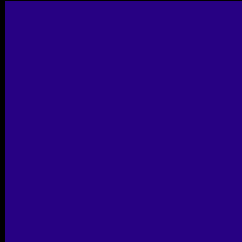
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.613, 308.450 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, 78.613, 308.450

Background



This preview shows how black text looks on a background with the CIELCh color 16, 78.613, 308.450.



This preview shows how white text looks on a background with the CIELCh color 16, 78.613, 308.450.

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, 78.613, 308.450

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 15.063, 204.619

Trichromacy



Original Color
16, 78.613, 308.450

Protanomaly
15, 53.101, 299.803

Deuteranomaly
14, 46.062, 297.546

Tritanomaly
14, 34.781, 292.605

Monochromacy



Original Color
16, 78.613, 308.450

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 34.286, 306.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 78.613, 308.450 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(39, 1, 131)` looks like.

```
.text, #text, p{  
    color:rgb(39, 1, 131)  
}
```

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(39, 1, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 1, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 78.613, 308.450 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(39, 1, 131) }
```

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

```
.border{ border-color:rgb(39, 1, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 1, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 1, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 1, 131);  
box-shadow:4px 4px 4px 4px rgb(39, 1, 131)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 78.613, 308.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 1, 131) }
```

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

```
.background{ background-color: rgb(39, 1,  
131) }
```

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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