

Converting Colors

CIELCh(16, 81.542, 307.938)

Have a look what the booklet for
CIELCh(16, 81.542, 307.938)
contains.

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Color

CIELCh(16, 81.345, 307.967)

Conversions

Conversions Part 1

Format	Color
Hex	220087
RGB	34, 0, 135
RGB Percent	13%, 0%, 53%
CMY	0.8658, 0.9995, 0.4701
CMYK	0.75, 1.00, 0.00, 0.47
HSL	255°, 100%, 27%
HSV	255°, 100%, 53%
XYZ	5.0504, 2.0993, 23.1107
YIQ	25.5560, -23.0710, 49.1930

Conversions

Conversions Part 2

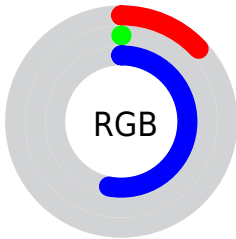
Format	Color
R_{YB}	34, 0, 135
Decimal	2228359
CIE _{Lab}	16.00, 50.04, -64.13
CIE _{LCh}	16, 81.345, 307.967
Yxy	2.0993, 0.1669, 0.0694
Android (android.graphics.Color)	4280418439 (0xFF220087)
YUV	25.5560, 53.9559, 7.4054
Hunter-Lab	14.4890, 36.8642, -84.4284

Details

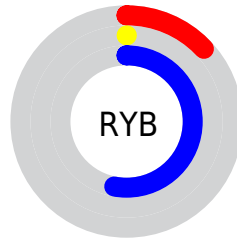
The CIELCh color **16, 81.345, 307.967** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **52, 62.756, 117.167**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **36, 81.790, 308.018**, and **6, 58.710, 305.703** is the 20% darker color. If you saturate the color by 10%, you get **16, 81.397, 307.974**, and if you desaturate by 10%, it is **18, 75.916, 307.570**.

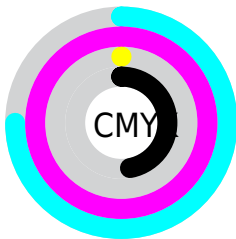
Distribution



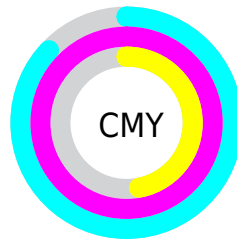
- Red (13%)
- Green (0%)
- Blue (53%)



- Red (13%)
- Yellow (0%)
- Blue (53%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (87%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 81.345, 307.967 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, 81.345, 307.967 by changing the saturation by 10% instead.

■ 16, 81.345,
307.967

■ 16, 81.345,
307.967

■ 100, 81.345,
307.967

■ 6, 81.345, 307.967

■ 36, 81.345,
307.967

■ 0, 81.345, 307.967

■ 46, 81.345,
307.967


■ 56, 81.345,
307.967


■ 66, 81.345,
307.967


■ 76, 81.345,
307.967


■ 86, 81.345,


307.967


 96, 81.345,
307.967


 16, 81.345,
307.967


 16, 81.345,
307.967


 16, 81.397,
307.974

 18, 75.916,
307.570

 21, 69.096,
306.985

 25, 60.813,
306.098

 29, 51.841,
305.077

 33, 42.685,
304.039

■ 38, 33.617,
303.051

■ 43, 24.770,
302.147

■ 47, 16.201,
301.337

■ 52, 7.925, 300.621

Harmonies

Complementary

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



16, 81.345, 307.967



52, 62.756, 117.167

Rectangle

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



16, 81.345, 307.967



16, 81.345, 357.967



16, 81.345, 127.967



16, 81.345, 177.967

Sweetspot

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



16, 81.346, 307.968



55, 30.860, 302.212



40, 28.339, 244.898



26, 21.354, 302.536



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



16, 81.346, 307.968



23, 99.023, 307.791



25, 73.944, 319.205



26, 4.433, 300.567



15, 79.135, 308.005



0, 1.046, 300.002

Inverse Universe

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



30, 59.699, 341.087



39, 72.181, 341.467



49, 72.435, 133.686



26, 4.420, 332.972



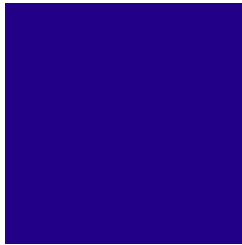
28, 58.114, 341.039



0, 1.051, 332.430

Previews

White Background



This preview shows how the CIELCh color 16, 81.345, 307.967 looks on a white background.

Color Contrast Check

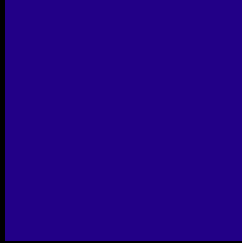
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.345, 307.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

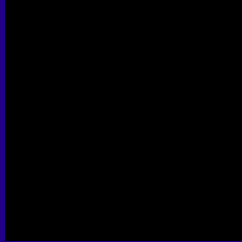
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 81.345, 307.967

Background



This preview shows how black text looks on a background with the CIELCh color 16, 81.345, 307.967.



This preview shows how white text looks on a background with the CIELCh color 16, 81.345, 307.967.

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, 81.345, 307.967

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 15.063, 204.619

Trichromacy



Original Color
16, 81.345, 307.967

Protanomaly
15, 53.756, 299.709

Deuteranomaly
15, 47.368, 297.610

Tritanomaly
14, 36.149, 292.770

Monochromacy



Original Color
16, 81.345, 307.967

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 35.719, 305.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 81.345, 307.967 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(34, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(34, 0, 135)  
}
```

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(34, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 0, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 81.345, 307.967 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(34, 0, 135) }
```

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

```
.border{ border-color:rgb(34, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(34, 0, 135)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 81.345, 307.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 0, 135) }
```

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

```
.background{ background-color: rgb(34, 0,  
135) }
```

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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