

Converting Colors

CIELCh(16, 64.867, 306.820)

Have a look what the booklet for
CIELCh(16, 64.867, 306.820)
contains.

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Color

CIELCh(16, 64.857, 306.772)

Conversions

Conversions Part 1

Format	Color
Hex	271174
RGB	39, 17, 116
RGB Percent	15%, 7%, 45%
CMY	0.8467, 0.9330, 0.5448
CMYK	0.66, 0.85, 0.00, 0.54
HSL	253°, 74%, 26%
HSV	253°, 85%, 46%
XYZ	4.1991, 2.0993, 16.7315
YIQ	34.8640, -18.6670, 35.4530

Conversions

Conversions Part 2

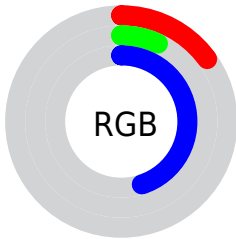
Format	Color
RYB	39, 17, 116
Decimal	2560372
CIELab	16.00, 38.83, -51.95
CIELCh	16, 64.857, 306.772
Yxy	2.0993, 0.1823, 0.0912
Android (android.graphics.Color)	4280750452 (0xFF271174)
YUV	34.8640, 40.0000, 3.6273
Hunter-Lab	14.4890, 26.3758, -58.3244

Details

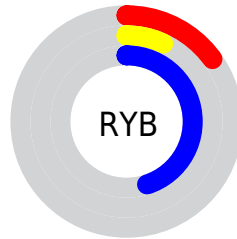
The CIELCh color **16, 64.857, 306.772** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **46, 51.627, 114.936**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 64.654, 306.760**, and **4, 46.726, 302.775** is the 20% darker color. If you saturate the color by 10%, you get **14, 70.452, 307.373**, and if you desaturate by 10%, it is **19, 57.890, 305.884**.

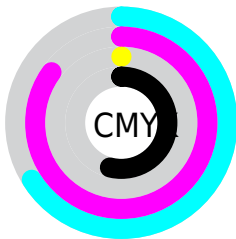
Distribution



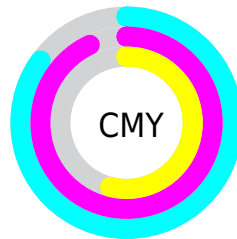
- Red (15%)
- Green (7%)
- Blue (45%)



- Red (15%)
- Yellow (7%)
- Blue (45%)



- Cyan (66%)
- Magenta (85%)
- Yellow (0%)
- Black (54%)



- Cyan (85%)
- Magenta (93%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 64.857, 306.772 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, 64.857, 306.772 by changing the saturation by 10% instead.

■ 16, 64.857,
306.772

■ 16, 64.857,
306.772

■ 100, 64.857,
306.772

■ 6, 64.857, 306.772

■ 36, 64.857,
306.772

■ 0, 64.857, 306.772

■ 46, 64.857,
306.772


■ 56, 64.857,
306.772

■ 66, 64.857,
306.772

■ 76, 64.857,
306.772


■ 86, 64.857,

306.772


 96, 64.857,
306.772


 16, 64.857,
306.772


 16, 64.857,
306.772


 14, 70.452,
307.373


 19, 57.890,
305.884

 12, 73.167,
307.774

 23, 50.081,
304.805

 26, 41.974,
303.679

 30, 33.883,
302.593

 34, 25.962,
301.589

■ 39, 18.279,
300.687

■ 43, 10.856,
299.889

■ 47, 3.694, 299.187

■ 51, 3.217, 118.586

Harmonies

Complementary

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



16, 64.857, 306.772



46, 51.627, 114.936

Rectangle

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



16, 64.857, 306.772



16, 64.857, 356.772



16, 64.857, 126.772



16, 64.857, 176.772

Sweetspot

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



16, 64.858, 306.773



49, 23.296, 300.804



37, 23.298, 232.502



24, 15.992, 301.042



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



16, 64.858, 306.773



18, 88.502, 307.579



23, 61.412, 318.683



22, 3.987, 299.440



14, 76.044, 307.730



33, 129.670, 307.326

Inverse Universe

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



27, 52.157, 337.490



34, 65.835, 339.333



43, 59.141, 132.667



23, 4.075, 331.838



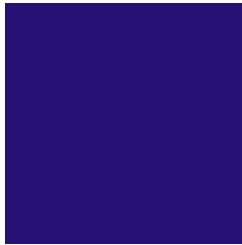
27, 56.862, 339.069



56, 95.574, 339.824

Previews

White Background



This preview shows how the CIELCh color 16, 64.857, 306.772 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 CIE LCh color 16, 64.857, 306.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

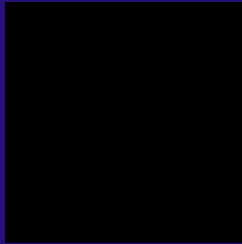
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 64.857, 306.772

Background



This preview shows how black text looks on a background with the CIELCh color 16, 64.857, 306.772.



This preview shows how white text looks on a background with the CIELCh color 16, 64.857, 306.772.

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, 64.857, 306.772

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.433, 265.539



Tritanopia
16, 14.663, 204.900

Trichromacy



Original Color
16, 64.857, 306.772

Protanomaly
15, 44.476, 296.043

Deuteranomaly
15, 37.143, 292.400

Tritanomaly
14, 27.126, 285.443

Monochromacy



Original Color
16, 64.857, 306.772

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 25.951, 303.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 64.857, 306.772 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, 17, 116)` looks like.

```
.text, #text, p{  
    color:rgb(39, 17, 116)  
}
```

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, 17, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 17, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 64.857, 306.772 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, 17, 116) }
```

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

```
.border{ border-color:rgb(39, 17, 116) }
```

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

Here you see how a box with a 4 pixel rgb(39, 17, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 17, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 17, 116);  
box-shadow:4px 4px 4px 4px rgb(39, 17,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 64.857, 306.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 17, 116) }
```

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

```
.background{ background-color: rgb(39, 17,  
116) }
```

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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