

Converting Colors

CIELCh(16, 49.293, 301.869)

Have a look what the booklet for
CIELCh(16, 49.293, 301.869)
contains.

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Color

CIELCh(16, 49.319, 301.799)

Conversions

Conversions Part 1

Format	Color
Hex	201D65
RGB	32, 29, 101
RGB Percent	13%, 11%, 40%
CMY	0.8760, 0.8874, 0.6052
CMYK	0.69, 0.71, 0.00, 0.61
HSL	242°, 56%, 25%
HSV	242°, 71%, 39%
XYZ	3.3490, 2.0993, 12.4559
YIQ	38.1050, -21.3240, 23.0280

Conversions

Conversions Part 2

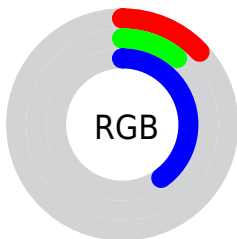
Format	Color
R _Y B	32, 29, 101
Decimal	2104677
CIE Lab	16.00, 25.99, -41.92
CIE LCh	16, 49.319, 301.799
Yxy	2.0993, 0.1871, 0.1173
Android (android.graphics.Color)	4280294757 (0xFF201D65)
YUV	38.1050, 31.0072, -5.3541
Hunter-Lab	14.4890, 15.9032, -40.8283

Details

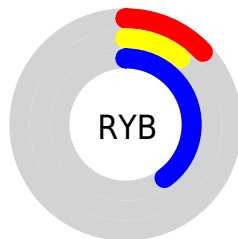
The CIELCh color **16, 49.319, 301.799** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 40.098, 106.150**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 49.630, 301.856**, and **2, 35.289, 297.538** is the 20% darker color. If you saturate the color by 10%, you get **13, 56.353, 303.606**, and if you desaturate by 10%, it is **19, 41.888, 299.926**.

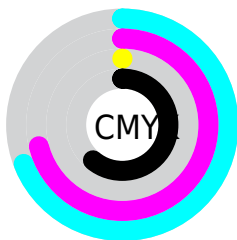
Distribution



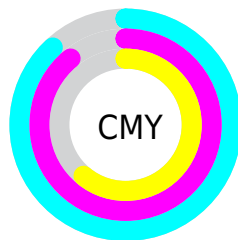
- Red (13%)
- Green (11%)
- Blue (40%)



- Red (13%)
- Yellow (11%)
- Blue (40%)



- Cyan (69%)
- Magenta (71%)
- Yellow (0%)
- Black (61%)



- Cyan (88%)
- Magenta (89%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 49.319, 301.799 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, 49.319, 301.799 by changing the saturation by 10% instead.

■ 16, 49.319,
301.799

■ 16, 49.319,
301.799

■ 100, 49.319,
301.799

■ 6, 49.319, 301.799

■ 36, 49.319,
301.799

■ 0, 49.319, 301.799

■ 46, 49.319,
301.799

■ 56, 49.319,
301.799

■ 66, 49.319,
301.799

■ 76, 49.319,
301.799

■ 86, 49.319,

301.799

96, 49.319,
301.799

16, 49.319,
301.799

16, 49.319,
301.799

13, 56.353,
303.606

19, 41.888,
299.926

11, 62.293,
305.116

23, 34.466,
298.142

9, 67.391, 306.528

27, 27.237,
296.525

31, 20.263,
295.100

34, 13.556,
293.864

■ 38, 7.105, 292.800

■ 42, 0.896, 291.913

■ 46, 5.087, 111.086

■ 50, 10.862,
110.412

Harmonies

Complementary

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



16, 49.319, 301.799



41, 40.098, 106.150

Rectangle

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



16, 49.319, 301.799



16, 49.319, 351.799



16, 49.319, 121.799



16, 49.319, 171.799

Sweetspot

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



16, 49.319, 301.800



45, 16.372, 293.879



38, 21.496, 200.805



21, 11.210, 294.102



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



16, 49.319, 301.800



17, 72.790, 304.700



20, 48.342, 313.289



19, 3.501, 292.556



11, 73.971, 306.495



31, 128.540, 306.371

Inverse Universe

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



25, 47.853, 328.973



31, 64.784, 329.504



38, 44.122, 127.461



20, 4.116, 325.971



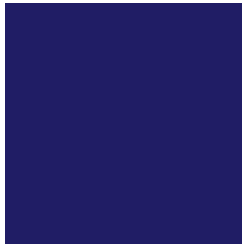
26, 62.199, 329.821



57, 107.668, 329.922

Previews

White Background



This preview shows how the CIELCh color 16, 49.319, 301.799 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, 49.319, 301.799 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, 49.319, 301.799

Background



This preview shows how black text looks on a background with the CIELCh color 16, 49.319, 301.799.



This preview shows how white text looks on a background with the CIELCh color 16, 49.319, 301.799.

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, 49.319, 301.799

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 21.402, 266.210



Tritanopia
16, 14.463, 205.048

Trichromacy



Original Color
16, 49.319, 301.799

Protanomaly
15, 37.757, 291.656

Deuteranomaly
15, 31.038, 286.557

Tritanomaly
15, 20.708, 272.993

Monochromacy



Original Color
16, 49.319, 301.799

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 18.395, 296.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 49.319, 301.799 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(32, 29, 101)` looks like.

```
.text, #text, p{  
    color:rgb(32, 29, 101)  
}
```

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(32, 29, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 29, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 49.319, 301.799 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(32, 29, 101) }
```

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

```
.border{ border-color:rgb(32, 29, 101) }
```

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

Here you see how a box with a 4 pixel rgb(32, 29, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 29, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 29, 101);  
box-shadow:4px 4px 4px 4px rgb(32, 29,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 49.319, 301.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 29, 101) }
```

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

```
.background{ background-color: rgb(32, 29,  
101) }
```

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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