

Converting Colors

CIELCh(16, 45.960, 306.330)

Have a look what the booklet for
CIELCh(16, 45.960, 306.330)
contains.

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Color

CIELCh(16, 46.049, 306.390)

Conversions

Conversions Part 1

Format	Color
Hex	2C1A5D
RGB	44, 26, 93
RGB Percent	17%, 10%, 36%
CMY	0.8257, 0.8966, 0.6336
CMYK	0.52, 0.72, 0.00, 0.63
HSL	256°, 56%, 23%
HSV	256°, 72%, 37%
XYZ	3.4313, 2.0993, 10.6820
YIQ	39.0200, -10.7790, 24.6530

Conversions

Conversions Part 2

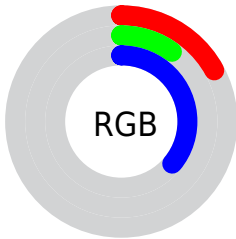
Format	Color
RYB	44, 26, 93
Decimal	2890333
CIELab	16.00, 27.32, -37.07
CIELCh	16, 46.049, 306.390
Yxy	2.0993, 0.2116, 0.1295
Android (android.graphics.Color)	4281080413 (0xFF2C1A5D)
YUV	39.0200, 26.6121, 4.3675
Hunter-Lab	14.4890, 16.9170, -33.5692

Details

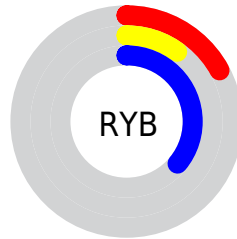
The CIELCh color **16, 46.049, 306.390** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **37, 38.987, 117.117**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 45.858, 306.379**, and **2, 29.681, 294.951** is the 20% darker color. If you saturate the color by 10%, you get **13, 52.211, 307.206**, and if you desaturate by 10%, it is **19, 39.435, 305.462**.

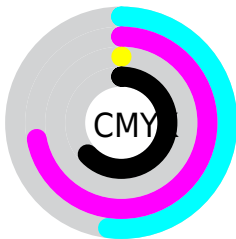
Distribution



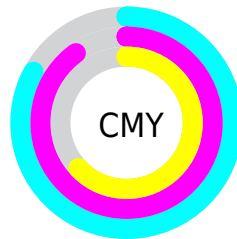
- Red (17%)
- Green (10%)
- Blue (36%)



- Red (17%)
- Yellow (10%)
- Blue (36%)



- Cyan (52%)
- Magenta (72%)
- Yellow (0%)
- Black (63%)



- Cyan (83%)
- Magenta (90%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 46.049, 306.390 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, 46.049, 306.390 by changing the saturation by 10% instead.

■ 16, 46.049,
306.390

■ 16, 46.049,
306.390

■ 100, 46.049,
306.390

■ 6, 46.049, 306.390

■ 36, 46.049,
306.390

■ 0, 46.049, 306.390

■ 46, 46.049,
306.390


■ 56, 46.049,
306.390


■ 66, 46.049,
306.390


■ 76, 46.049,
306.390


■ 86, 46.049,

306.390


 96, 46.049,
306.390


 16, 46.049,
306.390

 16, 46.049,
306.390


 13, 52.211,
307.206


 19, 39.435,
305.462


 11, 57.499,
307.799

 22, 32.694,
304.516

 9, 62.140, 308.550

 26, 26.009,
303.609

 29, 19.471,
302.772

 32, 13.122,
302.016

■ 36, 6.977, 301.341

■ 39, 1.035, 300.729

■ 42, 4.708, 120.234

■ 46, 10.262,
119.776

Harmonies

Complementary

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



16, 46.049, 306.390



37, 38.987, 117.117

Rectangle

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



16, 46.049, 306.390



16, 46.049, 356.390



16, 46.049, 126.390



16, 46.049, 176.390

Sweetspot

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



16, 46.049, 306.391



42, 16.588, 302.083



30, 18.311, 236.920



20, 11.072, 302.201



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



16, 46.049, 306.391



17, 67.756, 307.633



21, 45.784, 320.279



17, 3.257, 301.156



12, 69.697, 308.369



32, 123.757, 307.822

Inverse Universe

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



22, 38.832, 338.364



28, 52.798, 340.184



35, 44.607, 134.099



17, 3.204, 333.586



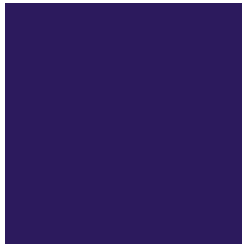
23, 51.006, 341.843



53, 88.885, 342.999

Previews

White Background



This preview shows how the CIE LCh color 16, 46.049, 306.390 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, 46.049, 306.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

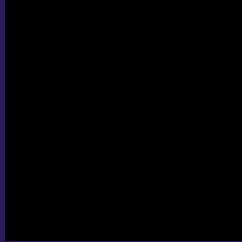
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 46.049, 306.390

Background



This preview shows how black text looks on a background with the CIELCh color 16, 46.049, 306.390.



This preview shows how white text looks on a background with the CIELCh color 16, 46.049, 306.390.

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

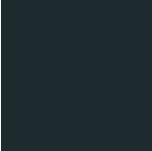
16, 46.049, 306.390

Protanopia

16, 31.173, 282.856

Deuteranopia

16, 21.959, 267.525



Tritanopia
16, 6.302, 217.799

Trichromacy



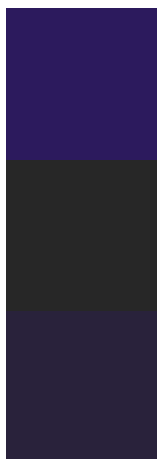
Original Color
16, 46.049, 306.390

Protanomaly
15, 37.103, 292.858

Deuteranomaly
15, 30.328, 288.101

Tritanomaly
16, 18.266, 292.539

Monochromacy



Original Color
16, 46.049, 306.390

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 17.946, 303.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 46.049, 306.390 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(44, 26, 93)` looks like.

```
.text, #text, p{  
    color:rgb(44, 26, 93)  
}
```

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(44, 26, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 26, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 46.049, 306.390 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(44, 26, 93) }
```

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

```
.border{ border-color:rgb(44, 26, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 26, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 26, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 26, 93);  
box-shadow:4px 4px 4px 4px rgb(44, 26, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 46.049, 306.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 26, 93) }
```

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

```
.background{ background-color: rgb(44, 26,  
93) }
```

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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