

Converting Colors

CIELCh(16, 58.884, 308.276)

Have a look what the booklet for
CIELCh(16, 58.884, 308.276)
contains.

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Color

CIELCh(16, 58.884, 308.276)

Conversions

Conversions Part 1

Format	Color
Hex	2E126B
RGB	46, 18, 107
RGB Percent	18%, 7%, 42%
CMY	0.8182, 0.9283, 0.5792
CMYK	0.57, 0.83, 0.00, 0.58
HSL	259°, 71%, 25%
HSV	259°, 83%, 42%
XYZ	4.0338, 2.0993, 14.1894
YIQ	36.5180, -11.8810, 33.6150

Conversions

Conversions Part 2

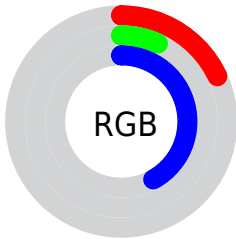
Format	Color
R_{YB}	46, 18, 107
Decimal	3019371
CIE Lab	16.00, 36.48, -46.23
CIE LCh	16, 58.884, 308.276
Yxy	2.0993, 0.1985, 0.1033
Android (android.graphics.Color)	4281209451 (0xFF2E126B)
YUV	36.5180, 34.7476, 8.3157
Hunter-Lab	14.4890, 24.3399, -47.9218

Details

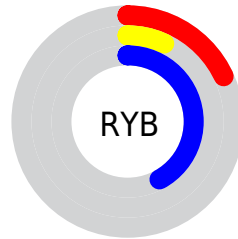
The CIELCh color **16, 58.884, 308.276** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 48.774, 119.159**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 58.448, 308.322**, and **3, 39.369, 299.508** is the 20% darker color. If you saturate the color by 10%, you get **14, 64.251, 308.623**, and if you desaturate by 10%, it is **19, 52.335, 307.655**.

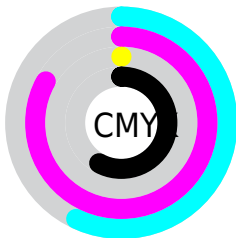
Distribution



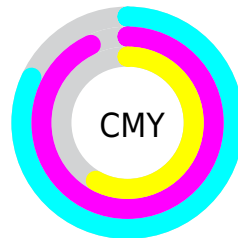
- Red (18%)
- Green (7%)
- Blue (42%)



- Red (18%)
- Yellow (7%)
- Blue (42%)



- Cyan (57%)
- Magenta (83%)
- Yellow (0%)
- Black (58%)



- Cyan (82%)
- Magenta (93%)
- Yellow (58%)
- Black (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 58.884, 308.276 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, 58.884, 308.276 by changing the saturation by 10% instead.

■ 16, 58.884,
308.276

■ 16, 58.884,
308.276

■ 100, 58.884,
308.276

■ 6, 58.884, 308.276

■ 36, 58.884,
308.276

■ 0, 58.884, 308.276

■ 46, 58.884,
308.276


■ 56, 58.884,
308.276


■ 66, 58.884,
308.276


■ 76, 58.884,
308.276


■ 86, 58.884,


308.276


 96, 58.884,
308.276


 16, 58.884,
308.276


 16, 58.884,
308.276


 14, 64.251,
308.623


 19, 52.335,
307.655

 12, 68.086,
309.009

 22, 45.117,
306.873

 26, 37.641,
306.036

 29, 30.157,
305.211

 33, 22.797,
304.435

■ 37, 15.628,
303.724

■ 41, 8.676, 303.085

■ 44, 1.949, 302.505

■ 48, 4.556, 122.032

Harmonies

Complementary

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



16, 58.884, 308.276



42, 48.774, 119.159

Rectangle

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



16, 58.884, 308.276



16, 58.884, 358.276



16, 58.884, 128.276



16, 58.884, 178.276

Sweetspot

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



16, 58.884, 308.277



47, 21.298, 303.912



32, 22.740, 246.586



22, 14.707, 304.099



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



16, 58.884, 308.277



18, 82.786, 308.739



23, 56.574, 321.350



20, 3.734, 302.848



14, 72.621, 308.911



34, 125.837, 308.366

Inverse Universe

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



24, 45.736, 342.263



31, 58.857, 345.495



40, 55.804, 134.396



21, 3.532, 335.448



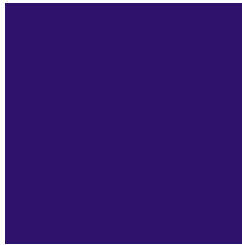
25, 51.917, 345.094



54, 88.358, 346.437

Previews

White Background



This preview shows how the CIE LCh color 16, 58.884, 308.276 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, 58.884, 308.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

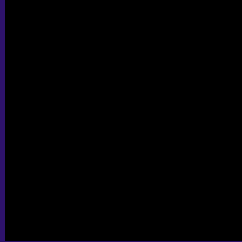
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 58.884, 308.276

Background



This preview shows how black text looks on a background with the CIELCh color 16, 58.884, 308.276.



This preview shows how white text looks on a background with the CIELCh color 16, 58.884, 308.276.

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

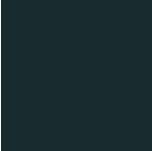
16, 58.884, 308.276

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.959, 267.525



Tritanopia
17, 8.479, 217.249

Trichromacy



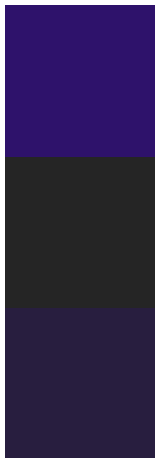
Original Color
16, 58.884, 308.276

Protanomaly
15, 41.844, 295.741

Deuteranomaly
15, 35.859, 293.006

Tritanomaly
15, 24.620, 294.108

Monochromacy



Original Color
16, 58.884, 308.276

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 23.800, 305.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 58.884, 308.276 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(46, 18, 107)` looks like.

```
.text, #text, p{  
    color:rgb(46, 18, 107)  
}
```

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(46, 18, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 18, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 58.884, 308.276 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(46, 18, 107) }
```

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

```
.border{ border-color:rgb(46, 18, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 18, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 18, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 18, 107);  
box-shadow:4px 4px 4px 4px rgb(46, 18,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 58.884, 308.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 18, 107) }
```

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

```
.background{ background-color: rgb(46, 18,  
107) }
```

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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