

Converting Colors

CIELCh(16, 42.391, 338.048)

Have a look what the booklet for
CIELCh(16, 42.391, 338.048)
contains.

CIELCh(16, 42.486, 337.876)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(16, 42.486, 337.876)

Conversions

Conversions Part 1

Format	Color
Hex	50013F
RGB	80, 1, 63
RGB Percent	31%, 0%, 25%
CMY	0.6856, 0.9953, 0.7523
CMYK	0.00, 0.99, 0.21, 0.69
HSL	313°, 97%, 16%
HSV	313°, 99%, 31%
XYZ	4.2371, 2.0993, 4.9070
YIQ	31.6890, 27.1820, 36.0300

Conversions

Conversions Part 2

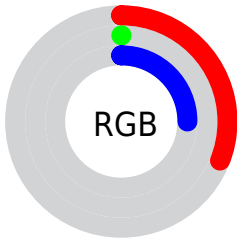
Format	Color
RYB	80, 1, 63
Decimal	5243199
CIELab	16.00, 39.36, -16.00
CIELCh	16, 42.486, 337.876
Yxy	2.0993, 0.3769, 0.1867
Android (android.graphics.Color)	4283433279 (0xFF50013F)
YUV	31.6890, 15.4363, 42.3687
Hunter-Lab	14.4890, 26.8445, -9.9376

Details

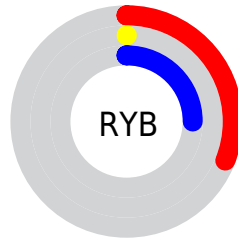
The CIELCh color **16, 42.486, 337.876** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 45.930, 140.748**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 42.367, 337.705**, and **3, 16.241, 344.500** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.828, 337.993**, and if you desaturate by 10%, it is **17, 40.309, 337.048**.

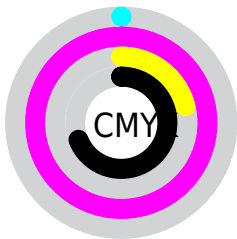
Distribution



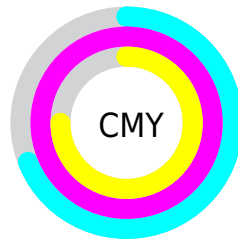
- Red (31%)
- Green (0%)
- Blue (25%)



- Red (31%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (21%)
- Black (69%)





- Cyan (69%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 42.486, 337.876 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, 42.486, 337.876 by changing the saturation by 10% instead.

 16, 42.486,
337.876


 16, 42.486,
337.876


 100, 42.486,
337.876


 6, 42.486, 337.876


 36, 42.486,
337.876

 0, 42.486, 337.876

 46, 42.486,
337.876


 56, 42.486,
337.876


 66, 42.486,
337.876


 76, 42.486,
337.876


 86, 42.486,


337.876


 96, 42.486,
337.876

 16, 42.486,
337.876


 16, 42.486,
337.876


 16, 42.828,
337.993

 17, 40.309,
337.048

 18, 37.857,
336.211

 19, 34.470,
335.443

 21, 30.321,
334.725

 23, 25.613,
334.041

■ 25, 20.538,
333.383

■ 27, 15.254,
332.748

■ 30, 9.886, 332.131

■ 32, 4.522, 331.524

Harmonies

Complementary

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



16, 42.486, 337.876



29, 45.930, 140.748

Rectangle

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



16, 42.486, 337.876



16, 42.486, 27.876



16, 42.486, 157.876



16, 42.486, 207.876

Sweetspot

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



16, 42.484, 337.876



35, 19.982, 332.909



7, 55.043, 307.432



16, 13.735, 333.063



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 42.484, 337.876



22, 51.217, 338.426



14, 36.534, 15.171



15, 3.012, 331.538



52, 90.895, 339.312

Inverse Universe

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



16, 42.484, 337.876



22, 51.217, 338.426



30, 29.259, 164.139



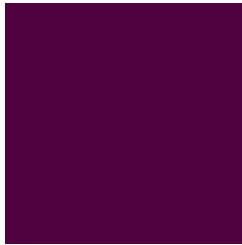
15, 3.012, 331.538



52, 90.895, 339.312

Previews

White Background



This preview shows how the CIELCh color 16, 42.486, 337.876 looks on a white background.

Color Contrast Check

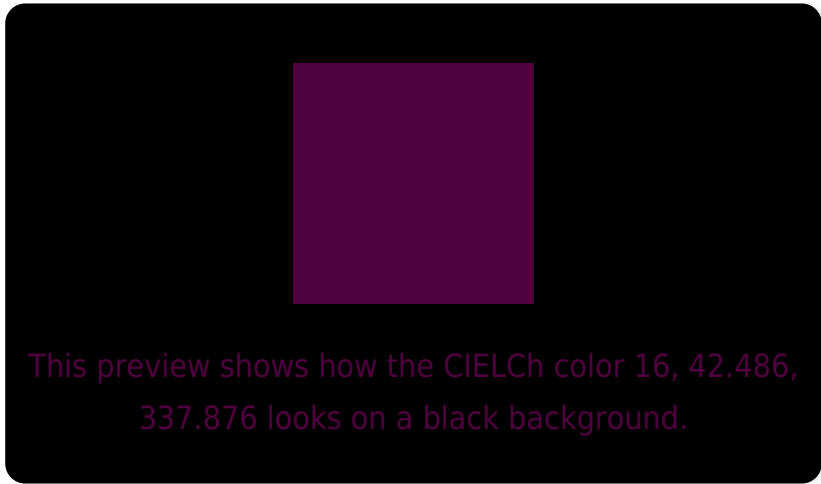
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

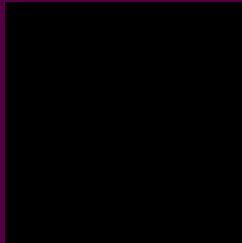
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 42.486, 337.876

Background



This preview shows how black text looks on a background with the CIELCh color 16, 42.486, 337.876.



This preview shows how white text looks on a background with the CIELCh color 16, 42.486, 337.876.

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, 42.486, 337.876

Protanopia

18, 33.400, 284.904

Deuteranopia

18, 11.138, 284.506



Tritanopia
17, 27.543, 26.428

Trichromacy



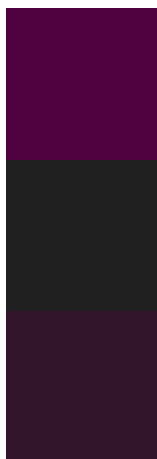
Original Color
16, 42.486, 337.876

Protanomaly
14, 37.406, 302.001

Deuteranomaly
15, 25.180, 320.443

Tritanomaly
16, 30.732, 1.627

Monochromacy



Original Color
16, 42.486, 337.876

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 20.123, 335.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 42.486, 337.876 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(80, 1, 63)` looks like.

```
.text, #text, p{  
    color:rgb(80, 1, 63)  
}
```

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(80, 1, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 1, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 42.486, 337.876 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(80, 1, 63) }
```

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

```
.border{ border-color:rgb(80, 1, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 1, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 1, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 1, 63); box-shadow:4px  
4px 4px 4px rgb(80, 1, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 42.486, 337.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 1, 63) }
```

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

```
.background{ background-color: rgb(80, 1,  
63) }
```

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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