

Converting Colors

CIELCh(16, 42.391, 340.281)

Have a look what the booklet for
CIELCh(16, 42.391, 340.281)
contains.

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Color

CIELCh(16, 42.303, 340.384)

Conversions

Conversions Part 1

Format	Color
Hex	52003D
RGB	82, 0, 61
RGB Percent	32%, 0%, 24%
CMY	0.6800, 1.0000, 0.7622
CMYK	0.00, 1.00, 0.26, 0.68
HSL	315°, 100%, 16%
HSV	315°, 100%, 32%
XYZ	4.2724, 2.0993, 4.5443
YIQ	31.4720, 29.2910, 36.3550

Conversions

Conversions Part 2

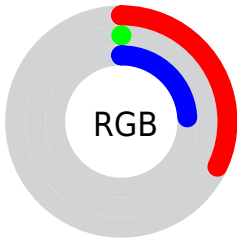
Format	Color
RYB	82, 0, 61
Decimal	5374013
CIELab	16.00, 39.85, -14.20
CIElCh	16, 42.303, 340.384
Yxy	2.0993, 0.3914, 0.1923
Android (android.graphics.Color)	4283564093 (0xFF52003D)
YUV	31.4720, 14.5573, 44.3131
Hunter-Lab	14.4890, 27.2787, -8.4532

Details

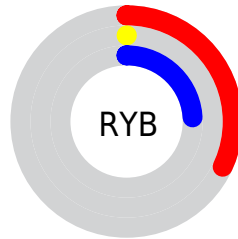
The CIELCh color **16, 42.303, 340.384** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 45.771, 141.697**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 42.288, 340.404**, and **3, 16.771, 350.775** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.145, 340.415**, and if you desaturate by 10%, it is **17, 40.026, 339.410**.

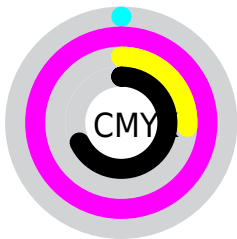
Distribution



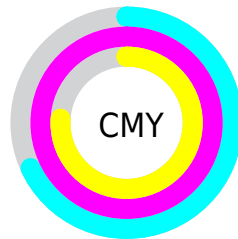
- Red (32%)
- Green (0%)
- Blue (24%)



- Red (32%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (68%)





- Cyan (68%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 42.303, 340.384 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, 42.303, 340.384 by changing the saturation by 10% instead.

 16, 42.303,
340.384


 16, 42.303,
340.384

 100, 42.303,
340.384

 6, 42.303, 340.384

 36, 42.303,
340.384

 0, 42.303, 340.384

 46, 42.303,
340.384


 56, 42.303,
340.384


 66, 42.303,
340.384


 76, 42.303,
340.384


 86, 42.303,


340.384


 96, 42.303,
340.384


 16, 42.303,
340.384


 16, 42.303,
340.384


 16, 42.145,
340.415

 17, 40.026,
339.410

 18, 37.765,
338.380

 19, 34.567,
337.463

 21, 30.573,
336.631

 23, 25.992,
335.861

■ 25, 21.020,
335.138

■ 27, 15.823,
334.452

■ 30, 10.532,
333.795

■ 32, 5.238, 333.158

Harmonies

Complementary

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



16, 42.303, 340.384



29, 45.771, 141.697

Rectangle

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



16, 42.303, 340.384



16, 42.303, 30.384



16, 42.303, 160.384



16, 42.303, 210.384

Sweetspot

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



16, 42.145, 340.415



36, 19.808, 334.525



7, 56.400, 308.332



16, 13.350, 334.684



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, 42.145, 340.415



23, 50.614, 340.978



15, 38.101, 19.965



15, 2.925, 333.076



22, 49.784, 340.932



52, 88.232, 342.076

Inverse Universe

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



16, 42.145, 340.415



23, 50.614, 340.978



30, 28.223, 167.960



15, 2.925, 333.076



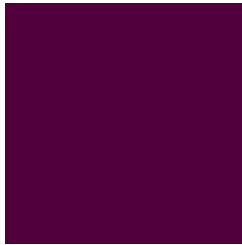
22, 49.784, 340.932



52, 88.232, 342.076

Previews

White Background



This preview shows how the CIELCh color 16, 42.303, 340.384 looks on a white background.

Color Contrast Check

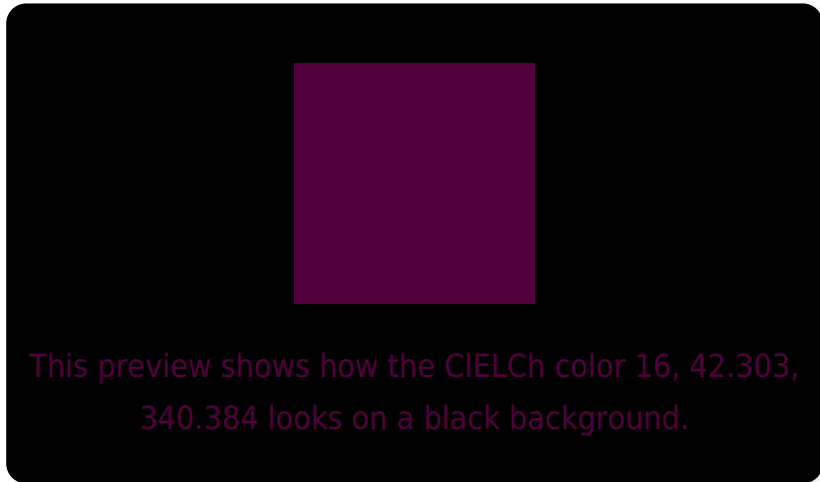
Large Text (above 18pt) WCAG AA ✓ Pass

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

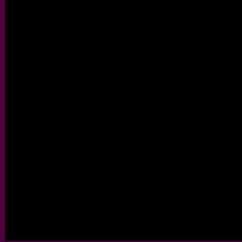
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 42.303, 340.384

Background



This preview shows how black text looks on a background with the CIELCh color 16, 42.303, 340.384.



This preview shows how white text looks on a background with the CIELCh color 16, 42.303, 340.384.

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, 42.303, 340.384

Protanopia

18, 29.856, 284.638

Deuteranopia

18, 9.680, 290.079



Tritanopia
17, 29.121, 27.107

Trichromacy



Original Color
16, 42.303, 340.384

Protanomaly
14, 35.355, 305.869

Deuteranomaly
15, 24.503, 324.924

Tritanomaly
16, 31.690, 4.869

Monochromacy



Original Color
16, 42.303, 340.384

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 20.155, 335.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 42.303, 340.384 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(82, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 61)  
}
```

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(82, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 42.303, 340.384 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(82, 0, 61) }
```

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

```
.border{ border-color:rgb(82, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 0, 61); box-shadow:4px  
4px 4px 4px rgb(82, 0, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 42.303, 340.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 0, 61) }
```

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

```
.background{ background-color: rgb(82, 0,  
61) }
```

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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