

Converting Colors

CIELCh(16, 41.834, 341.112)

Have a look what the booklet for
CIELCh(16, 41.834, 341.112)
contains.

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Color

CIELCh(16, 41.969, 341.124)

Conversions

Conversions Part 1

Format	Color
Hex	52003C
RGB	82, 0, 60
RGB Percent	32%, 0%, 24%
CMY	0.6795, 1.0000, 0.7656
CMYK	0.00, 1.00, 0.27, 0.68
HSL	316°, 100%, 16%
HSV	316°, 100%, 32%
XYZ	4.2626, 2.0993, 4.4228
YIQ	31.3580, 29.6120, 36.0440

Conversions

Conversions Part 2

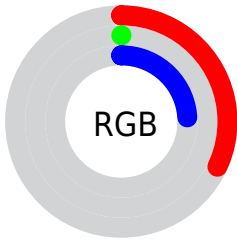
Format	Color
R_{YB}	82, 0, 60
Decimal	5374012
CIE _{Lab}	16.00, 39.71, -13.58
CIE _{LCh}	16, 41.969, 341.124
Yxy	2.0993, 0.3952, 0.1947
Android (android.graphics.Color)	4283564092 (0xFF52003C)
YUV	31.3580, 14.1205, 44.4130
Hunter-Lab	14.4890, 27.1580, -7.9560

Details

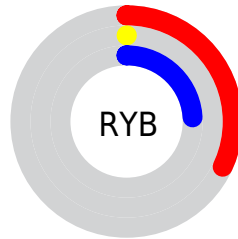
The CIELCh color **16, 41.969, 341.124** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 45.456, 142.050**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 42.187, 341.577**, and **3, 16.237, 354.320** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.865, 341.147**, and if you desaturate by 10%, it is **17, 39.764, 340.085**.

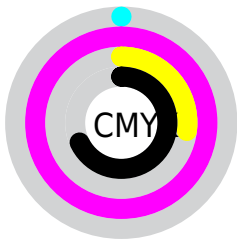
Distribution



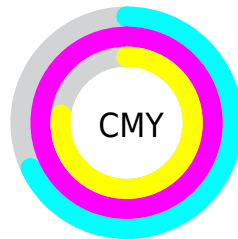
- Red (32%)
- Green (0%)
- Blue (24%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (68%)





- Cyan (68%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.969, 341.124 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, 41.969, 341.124 by changing the saturation by 10% instead.

 16, 41.969,
341.124


 16, 41.969,
341.124


 100, 41.969,
341.124


 6, 41.969, 341.124


 36, 41.969,
341.124

 0, 41.969, 341.124

 46, 41.969,
341.124


 56, 41.969,
341.124


 66, 41.969,
341.124


 76, 41.969,
341.124


 86, 41.969,


341.124


 96, 41.969,
341.124


 16, 41.969,
341.124


 16, 41.969,
341.124


 16, 41.865,
341.147

 17, 39.764,
340.085

 18, 37.522,
338.998

 19, 34.345,
338.038

 21, 30.376,
337.174

 23, 25.821,
336.380

■ 25, 20.878,
335.638

■ 27, 15.715,
334.937

■ 30, 10.458,
334.269

■ 32, 5.200, 333.622

Harmonies

Complementary

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



16, 41.969, 341.124



30, 45.456, 142.050

Rectangle

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



16, 41.969, 341.124



16, 41.969, 31.124



16, 41.969, 161.124



16, 41.969, 211.124

Sweetspot

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



16, 41.865, 341.147



36, 19.645, 335.010



7, 56.377, 308.581



16, 13.240, 335.173



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, 41.865, 341.147



23, 50.213, 341.745



15, 38.383, 21.226



15, 2.900, 333.539



22, 49.390, 341.696



52, 87.505, 342.919

Inverse Universe

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



16, 41.865, 341.147



23, 50.213, 341.745



30, 27.708, 169.424



15, 2.900, 333.539



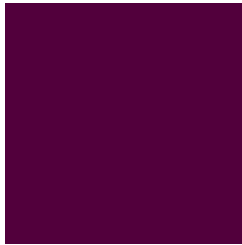
22, 49.390, 341.696



52, 87.505, 342.919

Previews

White Background



This preview shows how the CIELCh color 16, 41.969, 341.124 looks on a white background.

Color Contrast Check

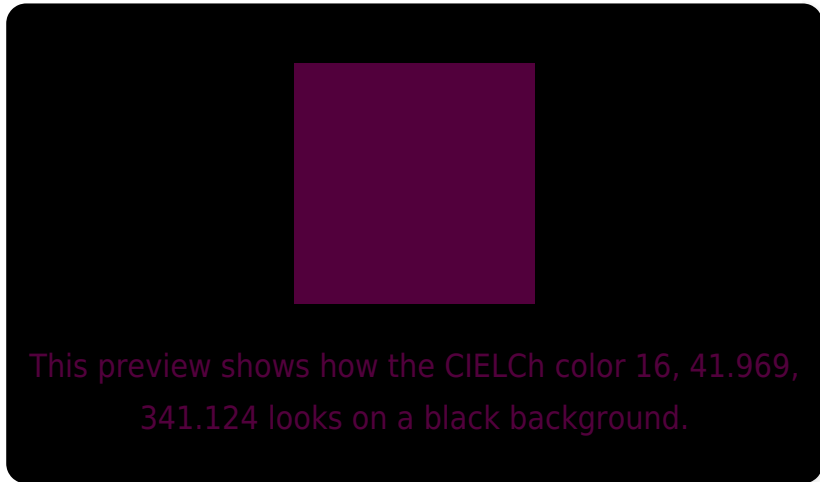
Large Text (above 18pt) WCAG AA ✓ Pass

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

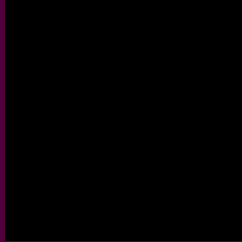
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 41.969, 341.124

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.969, 341.124.



This preview shows how white text looks on a background with the CIELCh color 16, 41.969, 341.124.

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, 41.969, 341.124

Protanopia

18, 29.150, 284.802

Deuteranopia

18, 8.992, 289.701



Tritanopia
17, 29.121, 27.107

Trichromacy



Original Color
16, 41.969, 341.124

Protanomaly
14, 34.709, 306.513

Deuteranomaly
15, 23.958, 325.823

Tritanomaly
16, 31.690, 4.869

Monochromacy



Original Color
16, 41.969, 341.124

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 19.700, 336.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.969, 341.124 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.969, 341.124 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, 60) }
```

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

```
.border{ border-color:rgb(82, 0, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 60); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 0, 60); box-shadow:4px  
4px 4px 4px rgb(82, 0, 60) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.969, 341.124 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, 60) }
```

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

```
.background{ background-color: rgb(82, 0,  
60) }
```

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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