

Converting Colors

CIELCh(6, 78.721, 338.795)

Have a look what the booklet for
CIELCh(6, 78.721, 338.795) contains.

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Color

CIELCh(16, 41.435, 343.238)

Conversions

Conversions Part 1

Format	Color
Hex	520039
RGB	82, 0, 57
RGB Percent	32%, 0%, 22%
CMY	0.6768, 1.0000, 0.7746
CMYK	0.00, 1.00, 0.30, 0.68
HSL	318°, 100%, 16%
HSV	318°, 100%, 32%
XYZ	4.2599, 2.0993, 4.1159
YIQ	31.0160, 30.5750, 35.1110

Conversions

Conversions Part 2

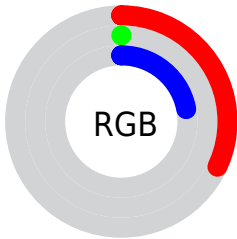
Format	Color
R_{YB}	82, 0, 57
Decimal	5374009
CIE _{Lab}	16.00, 39.67, -11.95
CIE _{LCh}	16, 41.435, 343.238
Yxy	2.0993, 0.4067, 0.2004
Android (android.graphics.Color)	4283564089 (0xFF520039)
YUV	31.0160, 12.8101, 44.7130
Hunter-Lab	14.4890, 27.1248, -6.7004

Details

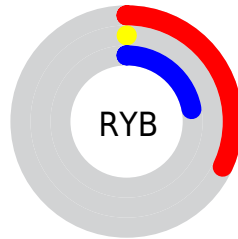
The CIELCh color **16, 41.435, 343.238** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 44.653, 143.089**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.235, 343.632**, and **3, 15.470, 1.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.212, 343.298**, and if you desaturate by 10%, it is **17, 39.161, 342.064**.

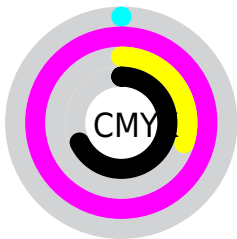
Distribution



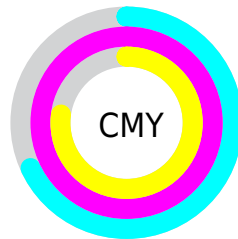
- Red (32%)
- Green (0%)
- Blue (22%)



- Red (32%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (68%)




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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.435, 343.238 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, 41.435, 343.238 by changing the saturation by 10% instead.

 16, 41.435,
343.238


 16, 41.435,
343.238

 100, 41.435,
343.238


 6, 41.435, 343.238


 36, 41.435,
343.238

 0, 41.435, 343.238

 46, 41.435,
343.238


 56, 41.435,
343.238


 66, 41.435,
343.238


 76, 41.435,
343.238


 86, 41.435,

343.238


 96, 41.435,
343.238


 16, 41.435,
343.238


 16, 41.435,
343.238


 16, 41.212,
343.298

 17, 39.161,
342.064

 18, 36.967,
340.808

 20, 33.838,
339.719

 21, 29.921,
338.758

 23, 25.426,
337.890

■ 25, 20.550,
337.091

■ 28, 15.461,
336.347

■ 30, 10.285,
335.646

■ 33, 5.112, 334.972

Harmonies

Complementary

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



16, 41.435, 343.238



30, 44.653, 143.089

Rectangle

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



16, 41.435, 343.238



16, 41.435, 33.238



16, 41.435, 163.238



16, 41.435, 213.238

Sweetspot

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



16, 41.212, 343.298



36, 19.196, 336.423



7, 56.507, 309.099



16, 12.939, 336.594



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, 41.212, 343.298



22, 49.141, 343.988



15, 39.114, 23.585



15, 2.831, 334.885



22, 48.337, 343.930



52, 85.583, 345.393

Inverse Universe

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



16, 41.212, 343.298



22, 49.141, 343.988



31, 26.809, 172.509



15, 2.831, 334.885



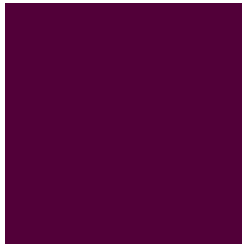
22, 48.337, 343.930



52, 85.583, 345.393

Previews

White Background



This preview shows how the CIELCh color 16, 41.435, 343.238 looks on a white background.

Color Contrast Check

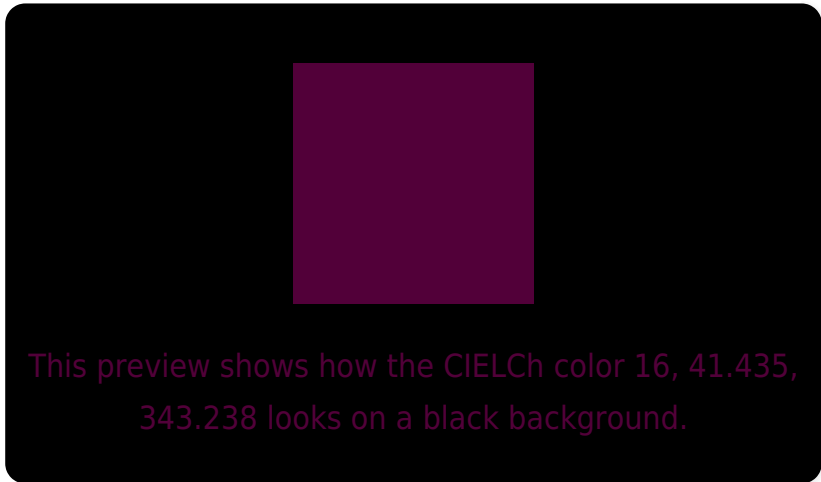
Large Text (above 18pt) WCAG AA ✓ Pass

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

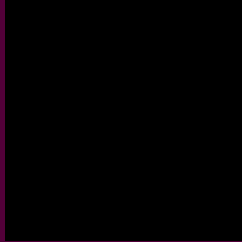
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 41.435, 343.238

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.435, 343.238.



This preview shows how white text looks on a background with the CIELCh color 16, 41.435, 343.238.

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, 41.014, 343.443

Protanopia
18, 27.072, 284.863

Deuteranopia
18, 7.629, 295.357



Tritanopia
17, 30.196, 27.624

Trichromacy



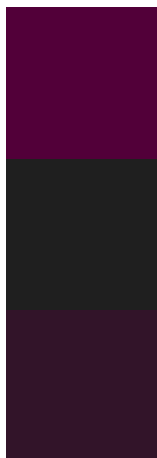
Original Color
16, 41.014, 343.443

Protanomaly
15, 32.807, 308.748

Deuteranomaly
15, 23.265, 329.834

Tritanomaly
17, 32.011, 7.879

Monochromacy



Original Color
16, 41.014, 343.443

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.960, 338.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.435, 343.238 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.435, 343.238 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, 57) }
```

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

```
.border{ border-color:rgb(82, 0, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 57); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 0, 57); box-shadow:4px  
4px 4px 4px rgb(82, 0, 57) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.435, 343.238 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, 57) }
```

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

```
.background{ background-color: rgb(82, 0,  
57) }
```

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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