

Converting Colors

CIELCh(16, 40.584, 346.758)

Have a look what the booklet for
CIELCh(16, 40.584, 346.758)
contains.

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Color

CIELCh(16, 40.282, 346.507)

Conversions

Conversions Part 1

Format	Color
Hex	530036
RGB	83, 0, 54
RGB Percent	33%, 0%, 21%
CMY	0.6748, 1.0000, 0.7885
CMYK	0.00, 1.00, 0.35, 0.67
HSL	321°, 100%, 16%
HSV	321°, 100%, 33%
XYZ	4.2237, 2.0993, 3.6643
YIQ	30.9730, 32.1340, 34.3900

Conversions

Conversions Part 2

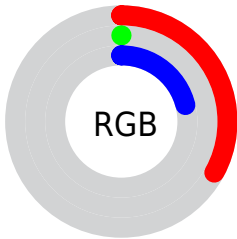
Format	Color
R_{YB}	83, 0, 54
Decimal	5439542
CIE Lab	16.00, 39.17, -9.40
CIE LCh	16, 40.282, 346.507
Yxy	2.0993, 0.4229, 0.2102
Android (android.graphics.Color)	4283629622 (0xFF530036)
YUV	30.9730, 11.3523, 45.6277
Hunter-Lab	14.4890, 26.6790, -4.8522

Details

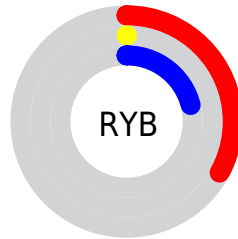
The CIELCh color **16, 40.282, 346.507** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 43.249, 144.713**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 40.604, 346.268**, and **3, 15.648, 9.013** is the 20% darker color. If you saturate the color by 10%, you get **16, 40.252, 346.518**, and if you desaturate by 10%, it is **17, 38.240, 345.022**.

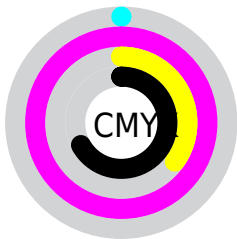
Distribution



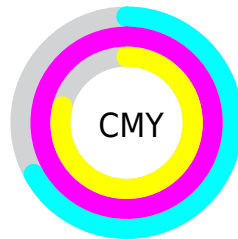
- Red (33%)
- Green (0%)
- Blue (21%)



- Red (33%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (67%)





- Cyan (67%)
- Magenta (100%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 40.282, 346.507 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, 40.282, 346.507 by changing the saturation by 10% instead.

 16, 40.282,
346.507


 16, 40.282,
346.507


 100, 40.282,
346.507

 6, 40.282, 346.507


 36, 40.282,
346.507

 0, 40.282, 346.507

 46, 40.282,
346.507


 56, 40.282,
346.507


 66, 40.282,
346.507


 76, 40.282,
346.507


 86, 40.282,


346.507


 96, 40.282,
346.507


 16, 40.282,
346.507


 16, 40.282,
346.507


 16, 40.252,
346.518

 17, 38.240,
345.022

 18, 36.095,
343.508

 20, 33.027,
342.224

 21, 29.187,
341.116

 23, 24.784,
340.137

■ 25, 20.016,
339.254

■ 28, 15.047,
338.445

■ 30, 10.002,
337.693

■ 33, 4.968, 336.978

Harmonies

Complementary

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



16, 40.282, 346.507



30, 43.249, 144.713

Rectangle

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



16, 40.282, 346.507



16, 40.282, 36.507



16, 40.282, 166.507



16, 40.282, 216.507

Sweetspot

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



16, 40.252, 346.518



36, 18.589, 338.524



8, 56.471, 309.627



16, 12.532, 338.709



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, 40.252, 346.518



22, 47.792, 347.357



15, 39.788, 25.622



15, 2.737, 336.886



22, 47.011, 347.284



51, 83.217, 349.113

Inverse Universe

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



16, 40.252, 346.518



22, 47.792, 347.357



31, 25.915, 175.841



15, 2.737, 336.886



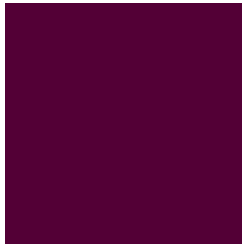
22, 47.011, 347.284



51, 83.217, 349.113

Previews

White Background



This preview shows how the CIELCh color 16, 40.282, 346.507 looks on a white background.

Color Contrast Check

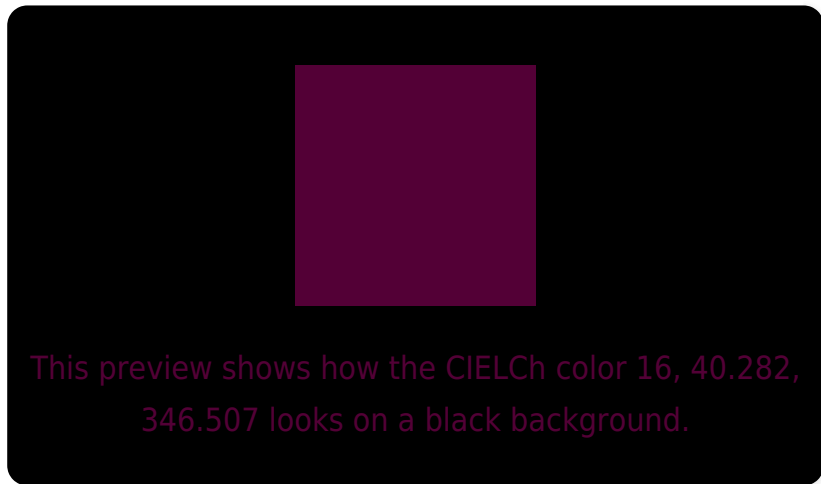
Large Text (above 18pt) WCAG AA ✓ Pass

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

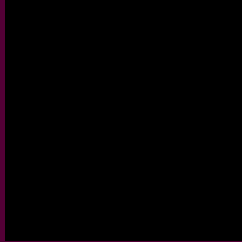
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 40.282, 346.507

Background



This preview shows how black text looks on a background with the CIELCh color 16, 40.282, 346.507.



This preview shows how white text looks on a background with the CIELCh color 16, 40.282, 346.507.

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, 40.282, 346.507

Protanopia

18, 23.612, 284.895

Deuteranopia

18, 5.049, 307.101



Tritanopia
17, 31.841, 28.515

Trichromacy



Original Color
16, 40.282, 346.507

Protanomaly
15, 30.395, 312.525

Deuteranomaly
15, 21.569, 335.672

Tritanomaly
16, 33.095, 9.962

Monochromacy



Original Color
16, 40.282, 346.507

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 19.130, 341.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 40.282, 346.507 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(83, 0, 54)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 54)  
}
```

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(83, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 40.282, 346.507 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(83, 0, 54) }
```

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

```
.border{ border-color:rgb(83, 0, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 54); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 54); box-shadow:4px  
4px 4px 4px rgb(83, 0, 54) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 40.282, 346.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 54) }
```

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

```
.background{ background-color: rgb(83, 0,  
54) }
```

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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