

Converting Colors

CIELCh(16, 39.380, 327.794)

Have a look what the booklet for
CIELCh(16, 39.380, 327.794)
contains.

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Color

CIELCh(16, 39.442, 327.766)

Conversions

Conversions Part 1

Format	Color
Hex	460F46
RGB	70, 15, 70
RGB Percent	27%, 6%, 27%
CMY	0.7248, 0.9404, 0.7249
CMYK	0.00, 0.78, 0.00, 0.72
HSL	300°, 64%, 17%
HSV	300°, 78%, 28%
XYZ	3.8217, 2.0993, 6.0243
YIQ	37.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

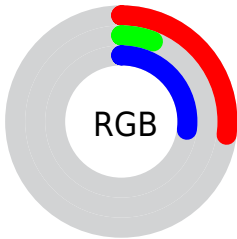
Format	Color
RYB	70, 15, 70
Decimal	4591430
CIELab	16.00, 33.36, -21.04
CIElCh	16, 39.442, 327.766
Yxy	2.0993, 0.3199, 0.1757
Android (android.graphics.Color)	4282781510 (0xFF460F46)
YUV	37.7150, 15.9165, 28.3139
Hunter-Lab	14.4890, 21.7264, -14.5095

Details

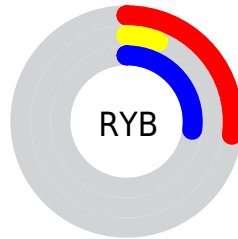
The CIELCh color **16, 39.442, 327.766** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 40.140, 138.144**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 39.380, 327.837**, and **2, 15.418, 316.560** is the 20% darker color. If you saturate the color by 10%, you get **15, 42.342, 327.990**, and if you desaturate by 10%, it is **17, 35.745, 327.476**.

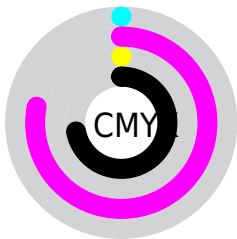
Distribution



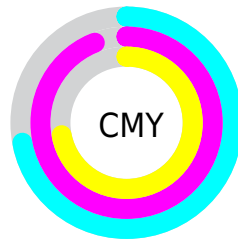
- Red (27%)
- Green (6%)
- Blue (27%)



- Red (27%)
- Yellow (6%)
- Blue (27%)



- Cyan (0%)
- Magenta (78%)
- Yellow (0%)
- Black (72%)



- Cyan (72%)
- Magenta (94%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 39.442, 327.766 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, 39.442, 327.766 by changing the saturation by 10% instead.

■ 16, 39.442,
327.766

■ 16, 39.442,
327.766

■ 100, 39.442,
327.766

■ 6, 39.442, 327.766

■ 36, 39.442,
327.766

■ 0, 39.442, 327.766

■ 46, 39.442,
327.766


■ 56, 39.442,
327.766


■ 66, 39.442,
327.766


■ 76, 39.442,
327.766


■ 86, 39.442,


327.766


 96, 39.442,
327.766


 16, 39.442,
327.766


 16, 39.442,
327.766


 15, 42.342,
327.990


 17, 35.745,
327.476


 14, 45.142,
328.202

 19, 31.361,
327.124

 14, 45.621,
328.238

 20, 26.459,
326.722

 22, 21.204,
326.280

 24, 15.739,
325.812

■ 26, 10.181,
325.327

■ 28, 4.616, 324.826

■ 30, 0.895, 144.505

■ 32, 6.309, 143.912

Harmonies

Complementary

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



16, 39.442, 327.766



25, 40.140, 138.144

Rectangle

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



16, 39.442, 327.766



16, 39.442, 17.766



16, 39.442, 147.766



16, 39.442, 197.766

Sweetspot

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



16, 39.441, 327.766



33, 16.652, 325.650



8, 40.265, 301.754



15, 11.272, 325.731



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



16, 39.441, 327.766



21, 53.207, 328.140



15, 29.004, 352.630



13, 3.122, 324.839



22, 57.925, 328.239



54, 105.809, 328.239

Inverse Universe

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



16, 39.441, 327.766



21, 53.207, 328.140



26, 27.697, 155.249



13, 3.122, 324.839



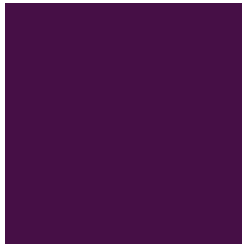
22, 57.925, 328.239



54, 105.809, 328.239

Previews

White Background



This preview shows how the CIELCh color 16, 39.442, 327.766 looks on a white background.

Color Contrast Check

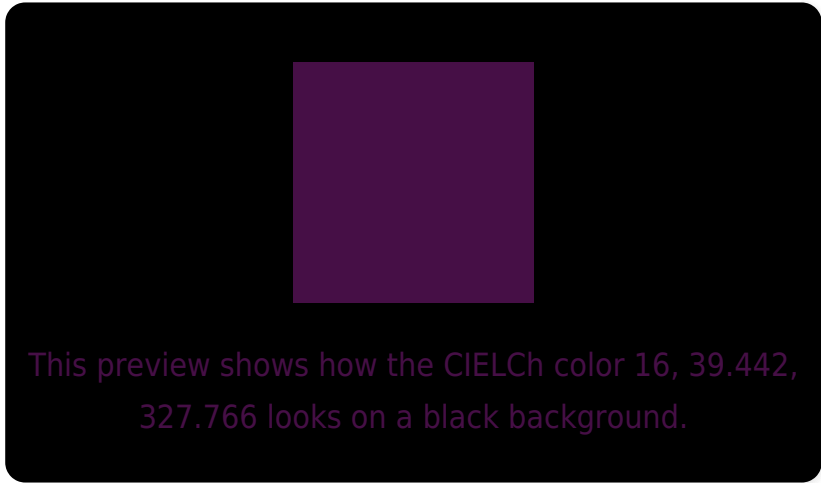
Large Text (above 18pt) WCAG AA ✓ Pass

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

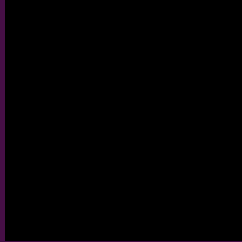
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 39.442, 327.766

Background



This preview shows how black text looks on a background with the CIELCh color 16, 39.442, 327.766.



This preview shows how white text looks on a background with the CIELCh color 16, 39.442, 327.766.

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, 39.442, 327.766

Protanopia

16, 31.751, 282.960

Deuteranopia

17, 17.137, 277.721



Tritanopia
16, 18.817, 20.680

Trichromacy



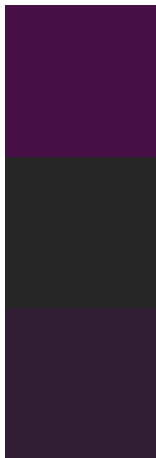
Original Color
16, 39.442, 327.766

Protanomaly
14, 34.524, 296.547

Deuteranomaly
15, 25.680, 305.470

Tritanomaly
16, 23.762, 350.706

Monochromacy



Original Color
16, 39.442, 327.766

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 16.655, 326.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 39.442, 327.766 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(70, 15, 70)` looks like.

```
.text, #text, p{  
    color:rgb(70, 15, 70)  
}
```

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(70, 15, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 15, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 39.442, 327.766 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(70, 15, 70) }
```

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

```
.border{ border-color:rgb(70, 15, 70) }
```

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

Here you see how a box with a 4 pixel rgb(70, 15, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 15, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 15, 70);  
box-shadow:4px 4px 4px 4px rgb(70, 15, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 39.442, 327.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 15, 70) }
```

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

```
.background{ background-color: rgb(70, 15,  
70) }
```

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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