

Converting Colors

CIELCh(16, 31.289, 346.383)

Have a look what the booklet for
CIELCh(16, 31.289, 346.383)
contains.

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Color

CIELCh(16, 31.316, 346.141)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 4A1133 |
| RGB | 74, 17, 51 |
| RGB Percent | 29%, 7%, 20% |
| CMY | 0.7096, 0.9331, 0.7998 |
| CMYK | 0.00, 0.77, 0.31, 0.71 |
| HSL | 324°, 63%, 18% |
| HSV | 324°, 77%, 29% |
| XYZ | 3.6271, 2.0993, 3.3506 |
| YIQ | 37.9190, 23.0580, 22.6580 |

Conversions

Conversions Part 2

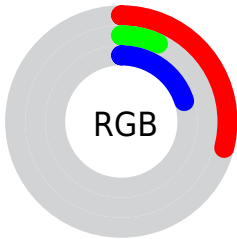
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 74, 17, 51 |
| Decimal | 4854067 |
| CIE Lab | 16.00, 30.40, -7.50 |
| CIE LCh | 16, 31.316, 346.141 |
| Yxy | 2.0993, 0.3996, 0.2313 |
| Android (android.graphics.Color) | 4283044147 (0xFF4A1133) |
| YUV | 37.9190, 6.4489, 31.6430 |
| Hunter-Lab | 14.4890, 19.3286, -3.5687 |

Details

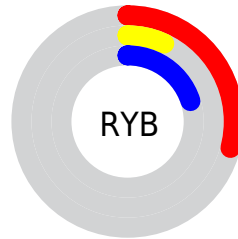
The CIELCh color **16, 31.316, 346.141** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 31.096, 150.827**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 31.069, 346.464**, and **2, 9.481, 14.525** is the 20% darker color. If you saturate the color by 10%, you get **15, 33.606, 347.805**, and if you desaturate by 10%, it is **17, 28.263, 344.749**.

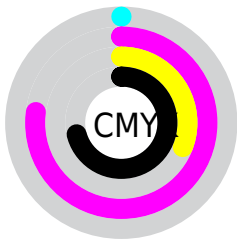
Distribution



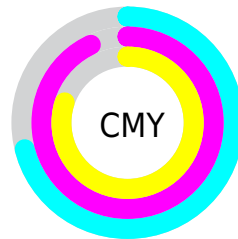
- Red (29%)
- Green (7%)
- Blue (20%)



- Red (29%)
- Yellow (7%)
- Blue (20%)



- Cyan (0%)
- Magenta (77%)
- Yellow (31%)
- Black (71%)





- Cyan (71%)
- Magenta (93%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 16, 31.316, 346.141 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, 31.316, 346.141 by changing the saturation by 10% instead.


 16, 31.316,
346.141


 16, 31.316,
346.141


 100, 31.316,
346.141


 6, 31.316, 346.141


 36, 31.316,
346.141

 0, 31.316, 346.141

 46, 31.316,
346.141


 56, 31.316,
346.141


 66, 31.316,
346.141


 76, 31.316,
346.141


 86, 31.316,

346.141


 96, 31.316,
346.141


 16, 31.316,
346.141


 16, 31.316,
346.141


 15, 33.606,
347.805


 17, 28.263,
344.749


 14, 35.684,
349.493

 19, 24.623,
343.557

 13, 36.376,
349.960

 21, 20.575,
342.514

 23, 16.281,
341.583

 25, 11.867,
340.738

■ 28, 7.428, 339.958

■ 30, 3.027, 339.210

■ 32, 1.294, 158.749

■ 35, 5.511, 158.023

Harmonies

Complementary

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



16, 31.316, 346.141



27, 31.096, 150.827

Rectangle

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



16, 31.316, 346.141



16, 31.316, 36.141



16, 31.316, 166.141



16, 31.316, 216.141

Sweetspot

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



16, 31.314, 346.142



34, 12.629, 340.492



12, 40.444, 309.756



16, 8.630, 340.646



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



16, 31.314, 346.142



20, 41.988, 349.506



15, 29.617, 23.208



14, 2.493, 339.342



21, 44.973, 351.344



50, 80.378, 353.698

Inverse Universe

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



16, 31.314, 346.142



20, 41.988, 349.506



28, 19.567, 185.485



14, 2.493, 339.342



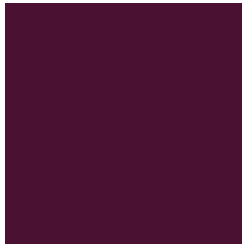
21, 44.973, 351.344



50, 80.378, 353.698

Previews

White Background



This preview shows how the CIE LCh color 16, 31.316, 346.141 looks on a white background.

Color Contrast Check

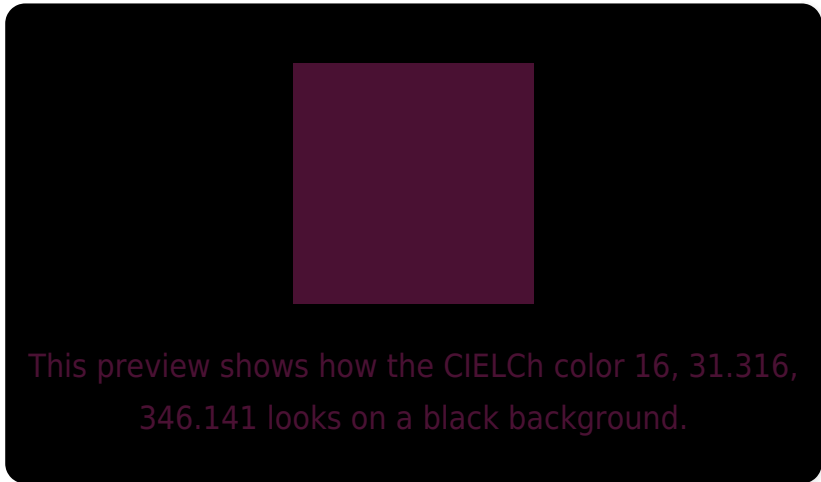
Large Text (above 18pt) WCAG AA ✓ Pass

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

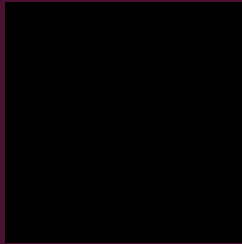
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 31.316, 346.141

Background



This preview shows how black text looks on a background with the CIELCh color 16, 31.316, 346.141.



This preview shows how white text looks on a background with the CIELCh color 16, 31.316, 346.141.

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, 31.316, 346.141

Protanopia

17, 18.932, 284.174

Deuteranopia

17, 4.977, 302.007



Tritanopia
16, 25.033, 25.568

Trichromacy



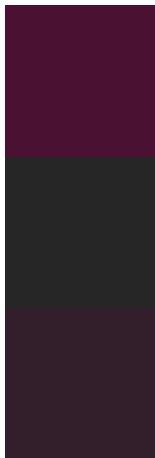
Original Color
16, 31.316, 346.141

Protanomaly
15, 21.960, 311.185

Deuteranomaly
16, 15.497, 333.808

Tritanomaly
16, 25.869, 9.180

Monochromacy



Original Color
16, 31.316, 346.141

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 13.461, 340.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 31.316, 346.141 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(74, 17, 51)` looks like.

```
.text, #text, p{  
    color:rgb(74, 17, 51)  
}
```

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(74, 17, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 17, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 31.316, 346.141 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(74, 17, 51) }
```

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

```
.border{ border-color:rgb(74, 17, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 17, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 17, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 17, 51);  
box-shadow:4px 4px 4px 4px rgb(74, 17, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 31.316, 346.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 17, 51) }
```

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

```
.background{ background-color: rgb(74, 17,  
51) }
```

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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