

Converting Colors

CIELCh(16, 31.159, 347.131)

Have a look what the booklet for
CIELCh(16, 31.159, 347.131)
contains.

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Color

CIELCh(16, 31.024, 347.240)

Conversions

Conversions Part 1

Format	Color
Hex	4A1132
RGB	74, 17, 50
RGB Percent	29%, 7%, 20%
CMY	0.7092, 0.9327, 0.8034
CMYK	0.00, 0.77, 0.32, 0.71
HSL	325°, 62%, 18%
HSV	325°, 77%, 29%
XYZ	3.6176, 2.0993, 3.2476
YIQ	37.8050, 23.3790, 22.3470

Conversions

Conversions Part 2

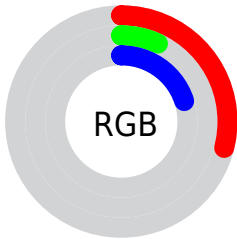
Format	Color
R_{YB}	74, 17, 50
Decimal	4854066
CIE Lab	16.00, 30.26, -6.85
CIE LCh	16, 31.024, 347.240
Yxy	2.0993, 0.4035, 0.2342
Android (android.graphics.Color)	4283044146 (0xFF4A1132)
YUV	37.8050, 6.0121, 31.7430
Hunter-Lab	14.4890, 19.2120, -3.1471

Details

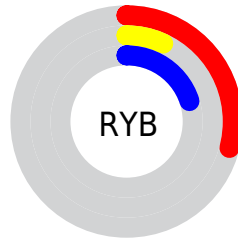
The CIELCh color **16, 31.024, 347.240** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 30.615, 151.625**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 30.781, 347.442**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **15, 33.320, 348.998**, and if you desaturate by 10%, it is **17, 27.975, 345.777**.

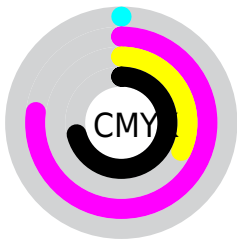
Distribution



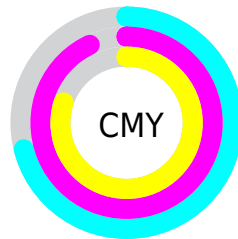
- Red (29%)
- Green (7%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (77%)
- Yellow (32%)
- Black (71%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 31.024, 347.240 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, 31.024, 347.240 by changing the saturation by 10% instead.

 16, 31.024,
347.240


 16, 31.024,
347.240


 100, 31.024,
347.240


 6, 31.024, 347.240


 36, 31.024,
347.240

 0, 31.024, 347.240

 46, 31.024,
347.240


 56, 31.024,
347.240


 66, 31.024,
347.240


 76, 31.024,
347.240


 86, 31.024,


347.240


 96, 31.024,
347.240


 16, 31.024,
347.240


 16, 31.024,
347.240


 15, 33.320,
348.998


 17, 27.975,
345.777


 14, 35.396,
350.792

 19, 24.350,
344.531

 13, 36.117,
351.305

 21, 20.327,
343.448

 23, 16.065,
342.486

 25, 11.691,
341.617

■ 28, 7.296, 340.819

■ 30, 2.943, 340.054

■ 32, 1.328, 159.584

■ 35, 5.493, 158.850

Harmonies

Complementary

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



16, 31.024, 347.240



27, 30.615, 151.625

Rectangle

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



16, 31.024, 347.240



16, 31.024, 37.240



16, 31.024, 167.240



16, 31.024, 217.240

Sweetspot

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



16, 31.022, 347.241



34, 12.479, 341.374



12, 40.405, 310.180



16, 8.528, 341.531



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, 31.022, 347.241



20, 41.632, 350.823



15, 29.809, 24.392



14, 2.462, 340.197



21, 44.622, 352.776



50, 79.805, 355.289

Inverse Universe

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



16, 31.022, 347.241



20, 41.632, 350.823



28, 19.330, 187.260



14, 2.462, 340.197



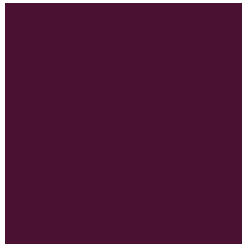
21, 44.622, 352.776



50, 79.805, 355.289

Previews

White Background



This preview shows how the CIELCh color 16, 31.024, 347.240 looks on a white background.

Color Contrast Check

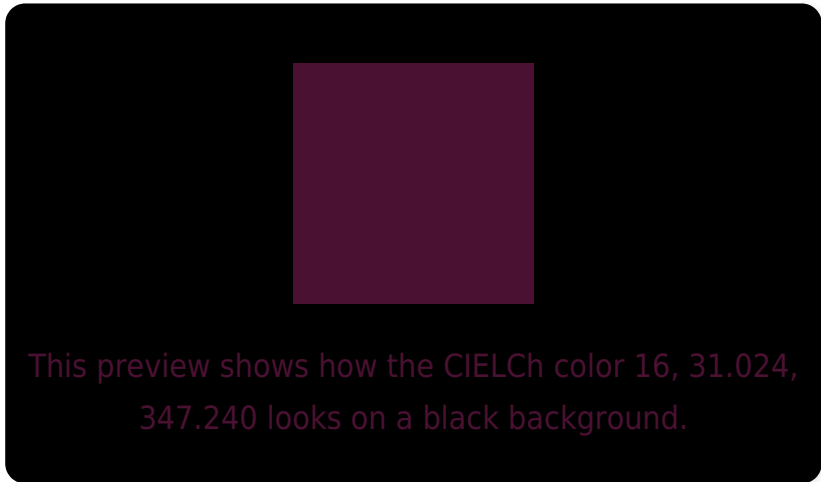
Large Text (above 18pt) WCAG AA ✓ Pass

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

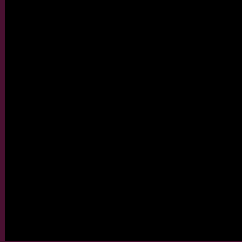
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 31.024, 347.240

Background



This preview shows how black text looks on a background with the CIELCh color 16, 31.024, 347.240.



This preview shows how white text looks on a background with the CIELCh color 16, 31.024, 347.240.

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, 31.024, 347.240

Protanopia

17, 18.217, 284.518

Deuteranopia

17, 4.296, 303.635



Tritanopia
16, 25.033, 25.568

Trichromacy



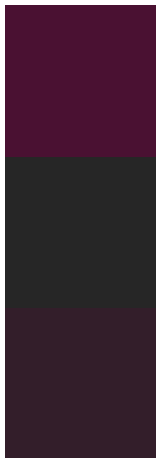
Original Color
16, 31.024, 347.240

Protanomaly
15, 21.313, 311.688

Deuteranomaly
16, 15.023, 335.652

Tritanomaly
16, 25.869, 9.180

Monochromacy



Original Color
16, 31.024, 347.240

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 13.056, 343.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 31.024, 347.240 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(74, 17, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 17, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 31.024, 347.240 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, 50) }
```

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

```
.border{ border-color:rgb(74, 17, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 17, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 17, 50);  
box-shadow:4px 4px 4px 4px rgb(74, 17, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 31.024, 347.240 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, 50) }
```

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

```
.background{ background-color: rgb(74, 17,  
50) }
```

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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