

Converting Colors

CIELCh(18, 49.904, 331.165)

Have a look what the booklet for
CIELCh(18, 49.904, 331.165)
contains.

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Color

CIELCh(18, 49.367, 331.475)

Conversions

Conversions Part 1

Format	Color
Hex	56004F
RGB	86, 0, 79
RGB Percent	34%, 0%, 31%
CMY	0.6639, 1.0000, 0.6912
CMYK	0.00, 1.00, 0.08, 0.66
HSL	305°, 100%, 17%
HSV	305°, 100%, 34%
XYZ	5.2093, 2.5180, 7.5581
YIQ	34.7200, 25.8970, 42.8010

Conversions

Conversions Part 2

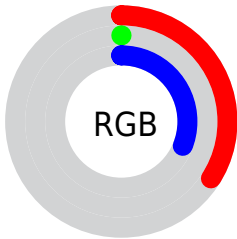
Format	Color
R_{YB}	86, 0, 79
Decimal	5636175
CIE _{Lab}	18.00, 43.37, -23.57
CIE _{LCh}	18, 49.367, 331.475
Yxy	2.5180, 0.3408, 0.1647
Android (android.graphics.Color)	4283826255 (0xFF56004F)
YUV	34.7200, 21.8300, 44.9726
Hunter-Lab	15.8683, 30.8292, -17.1322

Details

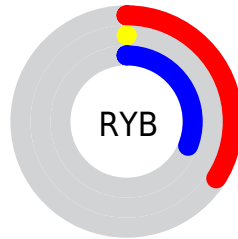
The CIELCh color **18, 49.367, 331.475** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 52.150, 137.575**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 49.489, 331.382**, and **5, 26.786, 332.257** is the 20% darker color. If you saturate the color by 10%, you get **18, 49.254, 331.475**, and if you desaturate by 10%, it is **19, 46.830, 331.099**.

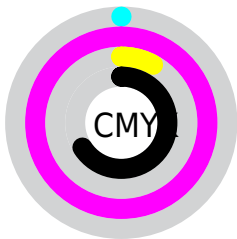
Distribution



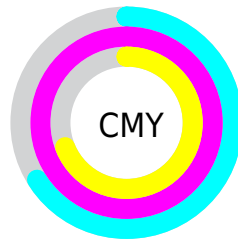
- Red (34%)
- Green (0%)
- Blue (31%)



- Red (34%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (66%)





- Cyan (66%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 49.367, 331.475 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 18, 49.367, 331.475 by changing the saturation by 10% instead.

 18, 49.367,
331.475

 18, 49.367,
331.475

 100, 49.367,
331.475

 8, 49.367, 331.475


 38, 49.367,
331.475

 0, 49.367, 331.475

 48, 49.367,
331.475

 58, 49.367,
331.475

 68, 49.367,
331.475


 78, 49.367,
331.475


 88, 49.367,


331.475


 98, 49.367,
331.475


 18, 49.367,
331.475


 18, 49.367,
331.475


 18, 49.254,
331.475

 19, 46.830,
331.099

 20, 44.135,
330.703

 21, 40.397,
330.275

 23, 35.767,
329.814

 25, 30.453,
329.325

■ 27, 24.670,
328.814

■ 29, 18.602,
328.288

■ 31, 12.400,
327.754

■ 34, 6.175, 327.214

Harmonies

Complementary

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



18, 49.367, 331.475



31, 52.150, 137.575

Rectangle

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



18, 49.367, 331.475



18, 49.367, 21.475



18, 49.367, 151.475



18, 49.367, 201.475

Sweetspot

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



18, 49.254, 331.475



38, 23.224, 328.342



6, 59.538, 306.469



17, 15.658, 328.474



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 49.254, 331.475



25, 59.345, 331.596



16, 38.207, 4.291



16, 3.486, 327.147



24, 57.438, 331.576



55, 101.689, 331.822

Inverse Universe

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



18, 49.254, 331.475



25, 59.345, 331.596



31, 36.096, 154.734



16, 3.486, 327.147



24, 57.438, 331.576



55, 101.689, 331.822

Previews

White Background



This preview shows how the CIELCh color 18, 49.367, 331.475 looks on a white background.

Color Contrast Check

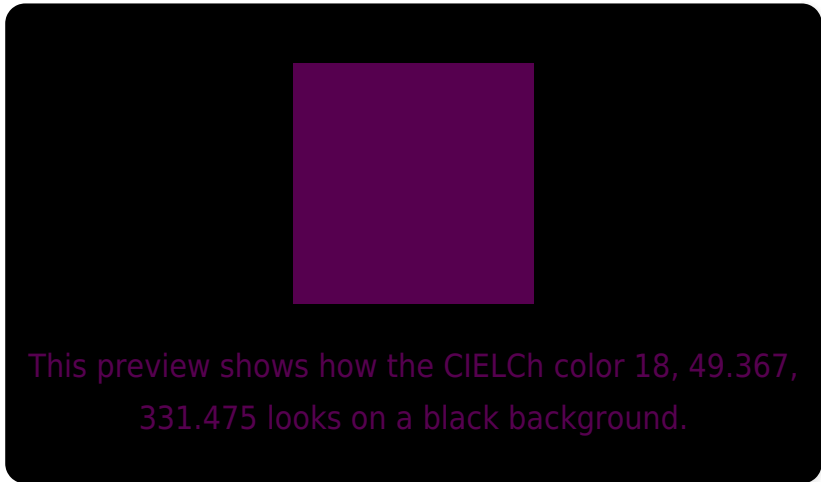
Large Text (above 18pt) WCAG AA ✓ Pass

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

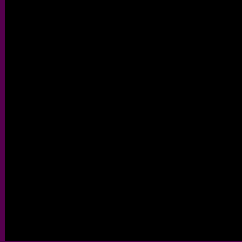
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 49.367, 331.475

Background



This preview shows how black text looks on a background with the CIELCh color 18, 49.367, 331.475.



This preview shows how white text looks on a background with the CIELCh color 18, 49.367, 331.475.

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
18, 49.367, 331.475

Deuteranopia
20, 18.058, 279.577

Tritanopia
19, 25.817, 23.685

Trichromacy



Original Color
18, 49.367, 331.475

Deuteranomaly
17, 31.976, 311.439

Tritanomaly
18, 32.056, 354.226

Monochromacy



Original Color
18, 49.367, 331.475

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 23.953, 328.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 49.367, 331.475 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(86, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 79)  
}
```

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(86, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 49.367, 331.475 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(86, 0, 79) }
```

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

```
.border{ border-color:rgb(86, 0, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 79); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 79); box-shadow:4px  
4px 4px 4px rgb(86, 0, 79) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 49.367, 331.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 79) }
```

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

```
.background{ background-color: rgb(86, 0,  
79) }
```

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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