

Converting Colors

CIELCh(18, 47.080, 334.895)

Have a look what the booklet for
CIELCh(18, 47.080, 334.895)
contains.

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Color

CIELCh(18, 47.367, 334.637)

Conversions

Conversions Part 1

Format	Color
Hex	57004A
RGB	87, 0, 74
RGB Percent	34%, 0%, 29%
CMY	0.6589, 1.0000, 0.7099
CMYK	0.00, 1.00, 0.15, 0.66
HSL	309°, 100%, 17%
HSV	309°, 100%, 34%
XYZ	5.1623, 2.5180, 6.6876
YIQ	34.4490, 28.0980, 41.4580

Conversions

Conversions Part 2

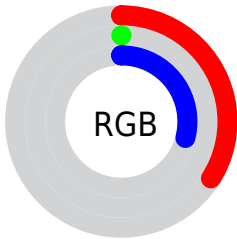
Format	Color
R_{YB}	87, 0, 74
Decimal	5701706
CIE _{Lab}	18.00, 42.80, -20.29
CIE _{LCh}	18, 47.367, 334.637
Yxy	2.5180, 0.3593, 0.1753
Android (android.graphics.Color)	4283891786 (0xFF57004A)
YUV	34.4490, 19.4986, 46.0872
Hunter-Lab	15.8683, 30.3005, -13.8797

Details

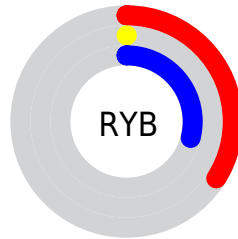
The CIELCh color **18, 47.367, 334.637** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 51.129, 138.824**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 47.230, 334.720**, and **5, 25.049, 338.096** is the 20% darker color. If you saturate the color by 10%, you get **18, 47.356, 334.638**, and if you desaturate by 10%, it is **19, 45.123, 334.042**.

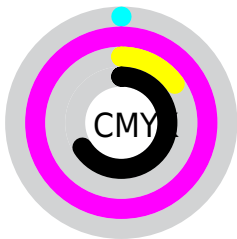
Distribution



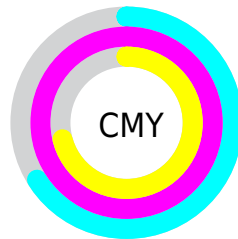
- Red (34%)
- Green (0%)
- Blue (29%)



- Red (34%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (66%)



- Cyan (66%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 47.367, 334.637 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, 47.367, 334.637 by changing the saturation by 10% instead.

 18, 47.367,
334.637


 18, 47.367,
334.637


 100, 47.367,
334.637

 8, 47.367, 334.637


 38, 47.367,
334.637

 0, 47.367, 334.637

 48, 47.367,
334.637

 58, 47.367,
334.637


 68, 47.367,
334.637


 78, 47.367,
334.637

 88, 47.367,


334.637


 98, 47.367,
334.637


 18, 47.367,
334.637


 18, 47.367,
334.637


 18, 47.356,
334.638

 19, 45.123,
334.042

 20, 42.606,
333.430

 21, 39.036,
332.836

 23, 34.573,
332.248

 25, 29.435,
331.662

■ 27, 23.838,
331.077

■ 29, 17.968,
330.495

■ 32, 11.973,
329.919

■ 34, 5.960, 329.345

Harmonies

Complementary

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



18, 47.367, 334.637



31, 51.129, 138.824

Rectangle

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



18, 47.367, 334.637



18, 47.367, 24.637



18, 47.367, 154.637



18, 47.367, 204.637

Sweetspot

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



18, 47.356, 334.638



38, 22.165, 330.551



7, 59.992, 307.107



17, 14.946, 330.695



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, 47.356, 334.638



25, 56.410, 334.878



16, 38.651, 10.386



16, 3.324, 329.273



23, 54.610, 334.837



54, 96.368, 335.358

Inverse Universe

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



18, 47.356, 334.638



25, 56.410, 334.878



32, 33.893, 158.844



16, 3.324, 329.273



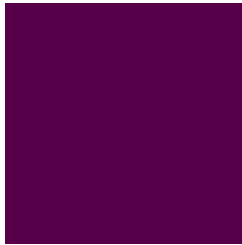
23, 54.610, 334.837



54, 96.368, 335.358

Previews

White Background



This preview shows how the CIELCh color 18, 47.367, 334.637 looks on a white background.

Color Contrast Check

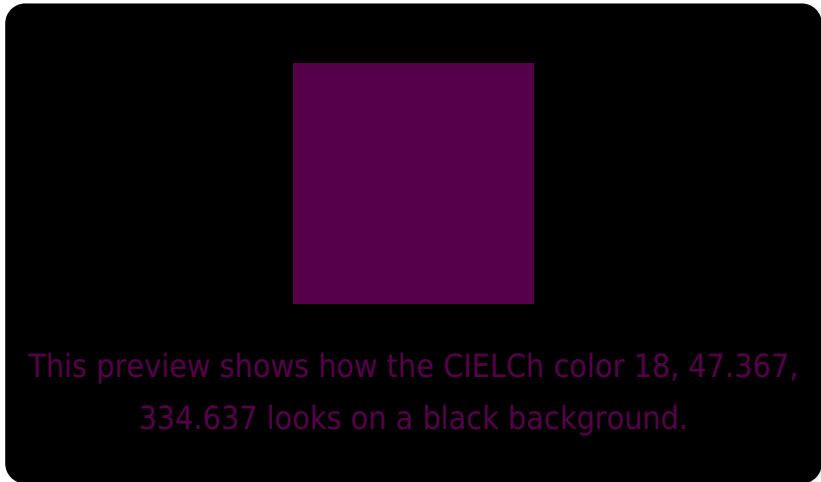
Large Text (above 18pt) WCAG AA ✓ Pass

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

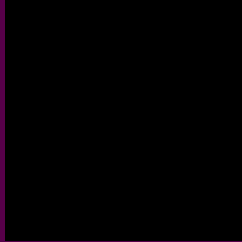
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 47.367, 334.637

Background



This preview shows how black text looks on a background with the CIELCh color 18, 47.367, 334.637.



This preview shows how white text looks on a background with the CIELCh color 18, 47.367, 334.637.

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, 47.367, 334.637

Protanopia

19, 36.416, 284.511

Deuteranopia

20, 14.493, 281.355



Tritanopia
19, 27.961, 24.746

Trichromacy



Original Color
18, 47.367, 334.637

Protanomaly
15, 42.415, 301.100

Deuteranomaly
17, 29.156, 316.262

Tritanomaly
18, 32.723, 357.584

Monochromacy



Original Color
18, 47.367, 334.637

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 22.937, 331.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 47.367, 334.637 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(87, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 74)  
}
```

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(87, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 47.367, 334.637 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(87, 0, 74) }
```

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

```
.border{ border-color:rgb(87, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 0, 74); box-shadow:4px  
4px 4px 4px rgb(87, 0, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 47.367, 334.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 74) }
```

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

```
.background{ background-color: rgb(87, 0,  
74) }
```

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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