

Converting Colors

CIELCh(18, 42.828, 345.121)

Have a look what the booklet for
CIELCh(18, 42.828, 345.121)
contains.

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Color

CIELCh(18, 42.850, 344.974)

Conversions

Conversions Part 1

Format	Color
Hex	5A013D
RGB	90, 1, 61
RGB Percent	35%, 0%, 24%
CMY	0.6477, 0.9968, 0.7613
CMYK	0.00, 0.99, 0.32, 0.65
HSL	320°, 98%, 18%
HSV	320°, 99%, 35%
XYZ	5.0473, 2.5180, 4.6145
YIQ	34.4510, 33.7840, 37.5280

Conversions

Conversions Part 2

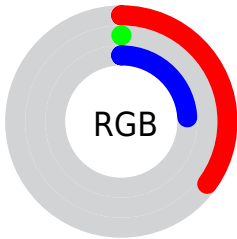
Format	Color
RYB	90, 1, 61
Decimal	5898557
CIELab	18.00, 41.38, -11.11
CIELCh	18, 42.850, 344.974
Yxy	2.5180, 0.4144, 0.2067
Android (android.graphics.Color)	4284088637 (0xFF5A013D)
YUV	34.4510, 13.0887, 48.7165
Hunter-Lab	15.8683, 29.0070, -6.1337

Details

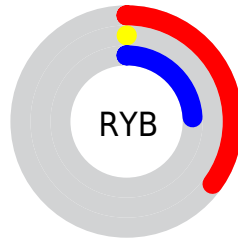
The CIELCh color **18, 42.850, 344.974** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 46.561, 143.710**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.721, 345.076**, and **5, 22.026, 358.656** is the 20% darker color. If you saturate the color by 10%, you get **18, 43.029, 345.100**, and if you desaturate by 10%, it is **19, 40.971, 343.513**.

Distribution



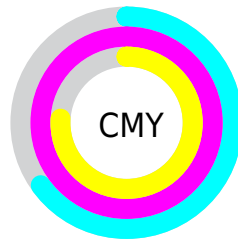
- Red (35%)
- Green (0%)
- Blue (24%)



- Red (35%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (99%)
- Yellow (32%)
- Black (65%)





- Cyan (65%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 42.850, 344.974 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, 42.850, 344.974 by changing the saturation by 10% instead.

 18, 42.850,
344.974


 18, 42.850,
344.974

 100, 42.850,
344.974


 8, 42.850, 344.974


 38, 42.850,
344.974

 0, 42.850, 344.974

 48, 42.850,
344.974

 58, 42.850,
344.974


 68, 42.850,
344.974


 78, 42.850,
344.974


 88, 42.850,


344.974


 98, 42.850,
344.974


 18, 42.850,
344.974


 18, 42.850,
344.974


 18, 43.029,
345.100

 19, 40.971,
343.513

 20, 38.690,
342.107

 22, 35.370,
340.911

 23, 31.206,
339.869

 26, 26.427,
338.940

■ 28, 21.250,
338.095

■ 30, 15.855,
337.313

■ 33, 10.377,
336.581

■ 36, 4.913, 335.881

Harmonies

Complementary

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



18, 42.850, 344.974



33, 46.561, 143.710

Rectangle

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



18, 42.850, 344.974



18, 42.850, 34.974



18, 42.850, 164.974



18, 42.850, 214.974

Sweetspot

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



18, 42.848, 344.975



39, 20.363, 337.456



9, 59.403, 309.165



18, 13.748, 337.657



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 42.848, 344.975



25, 51.595, 345.839



17, 41.833, 25.645



17, 3.078, 335.864



23, 49.246, 345.665



52, 85.751, 347.206

Inverse Universe

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



18, 42.848, 344.975



25, 51.595, 345.839



34, 27.843, 174.043



17, 3.078, 335.864



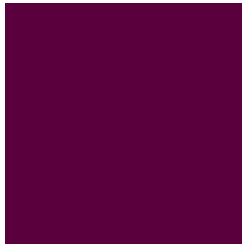
23, 49.246, 345.665



52, 85.751, 347.206

Previews

White Background



This preview shows how the CIELCh color 18, 42.850, 344.974 looks on a white background.

Color Contrast Check

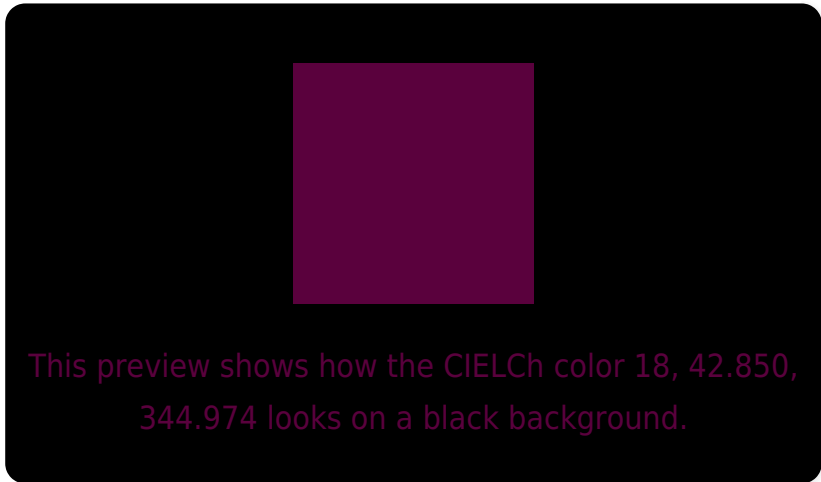
Large Text (above 18pt) WCAG AA ✓ Pass

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

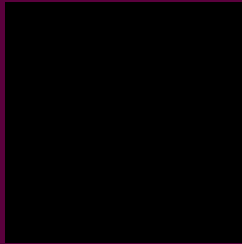
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 42.850, 344.974

Background



This preview shows how black text looks on a background with the CIELCh color 18, 42.850, 344.974.



This preview shows how white text looks on a background with the CIELCh color 18, 42.850, 344.974.

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, 42.850, 344.974

Protanopia

20, 27.381, 285.078

Deuteranopia

20, 6.848, 295.458



Tritanopia
19, 33.006, 28.306

Trichromacy



Original Color
18, 42.850, 344.974

Protanomaly
16, 33.265, 310.279

Deuteranomaly
17, 23.558, 331.722

Tritanomaly
18, 34.289, 9.344

Monochromacy



Original Color
18, 42.850, 344.974

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 20.856, 338.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 42.850, 344.974 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(90, 1, 61)` looks like.

```
.text, #text, p{  
    color:rgb(90, 1, 61)  
}
```

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(90, 1, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 1, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 42.850, 344.974 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(90, 1, 61) }
```

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

```
.border{ border-color:rgb(90, 1, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 1, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 1, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 1, 61); box-shadow:4px  
4px 4px 4px rgb(90, 1, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 42.850, 344.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 1, 61) }
```

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

```
.background{ background-color: rgb(90, 1,  
61) }
```

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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