

Converting Colors

CIELCh(18, 42.021, 336.969)

Have a look what the booklet for
CIELCh(18, 42.021, 336.969)
contains.

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Color

CIELCh(18, 41.943, 337.061)

Conversions

Conversions Part 1

Format	Color
Hex	540944
RGB	84, 9, 68
RGB Percent	33%, 4%, 27%
CMY	0.6697, 0.9634, 0.7325
CMYK	0.00, 0.89, 0.19, 0.67
HSL	313°, 80%, 18%
HSV	313°, 89%, 33%
XYZ	4.8283, 2.5180, 5.7345
YIQ	38.1510, 25.7610, 34.2490

Conversions

Conversions Part 2

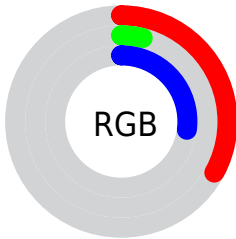
Format	Color
R_{YB}	84, 9, 68
Decimal	5507396
CIE _{Lab}	18.00, 38.63, -16.35
CIE _{LCh}	18, 41.943, 337.061
Yxy	2.5180, 0.3691, 0.1925
Android (android.graphics.Color)	4283697476 (0xFF540944)
YUV	38.1510, 14.7156, 40.2096
Hunter-Lab	15.8683, 26.5433, -10.3185




Details

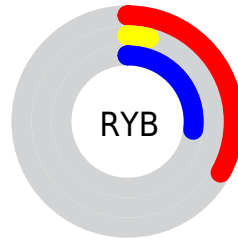
The CIELCh color **18, 41.943, 337.061** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 44.578, 141.790**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 41.485, 337.164**, and **4, 21.803, 343.367** is the 20% darker color. If you saturate the color by 10%, you get **17, 44.059, 337.905**, and if you desaturate by 10%, it is **19, 39.493, 336.215**.

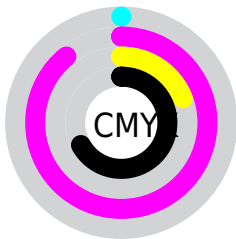
Distribution







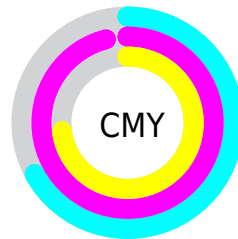
-  Red (33%)
-  Green (4%)
-  Blue (27%)






-  Red (33%)
-  Yellow (4%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (89%)
-  Yellow (19%)
-  Black (67%)





-  Cyan (67%)
-  Magenta (96%)
-  Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 41.943, 337.061 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, 41.943, 337.061 by changing the saturation by 10% instead.

 18, 41.943,
337.061


 18, 41.943,
337.061


 100, 41.943,
337.061


 8, 41.943, 337.061


 38, 41.943,
337.061

 0, 41.943, 337.061

 48, 41.943,
337.061


 58, 41.943,
337.061


 68, 41.943,
337.061


 78, 41.943,
337.061


 88, 41.943,


337.061


 98, 41.943,
337.061


 18, 41.943,
337.061


 18, 41.943,
337.061

 17, 44.059,
337.905


 19, 39.493,
336.215

 17, 44.301,
337.991

 20, 36.046,
335.441

 22, 31.781,
334.718

 24, 26.910,
334.029

 26, 21.639,
333.367

■ 29, 16.139,
332.727

■ 31, 10.542,
332.107

■ 34, 4.946, 331.496

■ 36, 0.586, 151.247

Harmonies

Complementary

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



18, 41.943, 337.061



31, 44.578, 141.790

Rectangle

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



18, 41.943, 337.061



18, 41.943, 27.061



18, 41.943, 157.061



18, 41.943, 207.061

Sweetspot

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



18, 41.941, 337.061



38, 18.729, 332.664



9, 52.021, 306.436



18, 12.720, 332.786



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, 41.941, 337.061



24, 52.986, 338.403



17, 35.109, 12.218



16, 3.176, 331.489



23, 52.131, 338.369



53, 91.746, 339.219

Inverse Universe

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



18, 41.941, 337.061



24, 52.986, 338.403



31, 28.490, 165.509



16, 3.176, 331.489



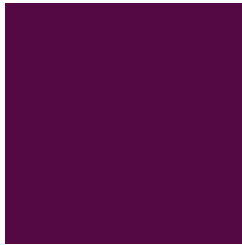
23, 52.131, 338.369



53, 91.746, 339.219

Previews

White Background



This preview shows how the CIELCh color 18, 41.943, 337.061 looks on a white background.

Color Contrast Check

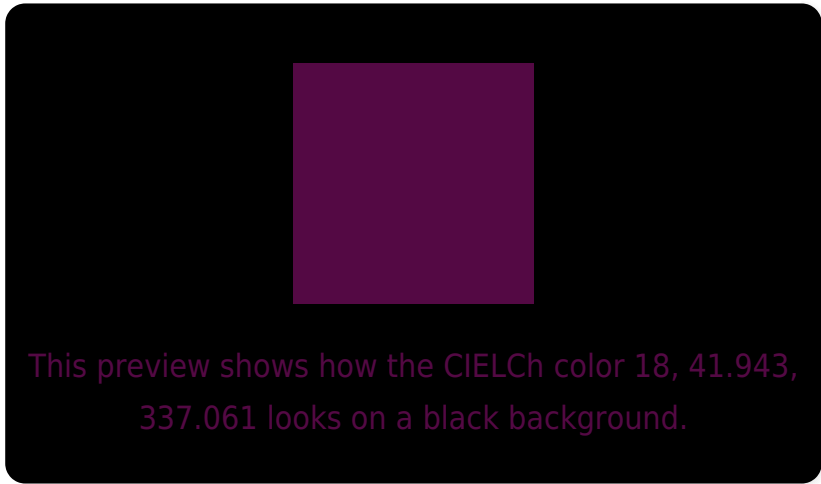
Large Text (above 18pt) WCAG AA ✓ Pass

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

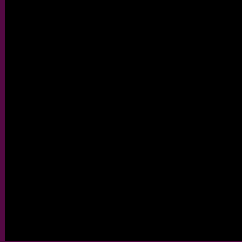
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 41.943, 337.061

Background



This preview shows how black text looks on a background with the CIELCh color 18, 41.943, 337.061.



This preview shows how white text looks on a background with the CIELCh color 18, 41.943, 337.061.

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, 41.943, 337.061

Protanopia

19, 34.440, 284.833

Deuteranopia

19, 12.419, 283.894



Tritanopia
19, 27.764, 26.059

Trichromacy



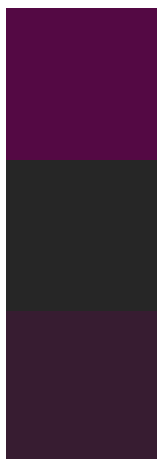
Original Color
18, 41.943, 337.061

Protanomaly
16, 36.890, 300.629

Deuteranomaly
17, 24.668, 318.449

Tritanomaly
18, 30.281, 2.473

Monochromacy



Original Color
18, 41.943, 337.061

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 18.897, 334.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 41.943, 337.061 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(84, 9, 68)` looks like.

```
.text, #text, p{  
    color:rgb(84, 9, 68)  
}
```

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(84, 9, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 9, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 41.943, 337.061 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(84, 9, 68) }
```

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

```
.border{ border-color:rgb(84, 9, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 9, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 9, 68); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 9, 68); box-shadow:4px  
4px 4px 4px rgb(84, 9, 68) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 41.943, 337.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 9, 68) }
```

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

```
.background{ background-color: rgb(84, 9,  
68) }
```

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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