

Converting Colors

CIELCh(18, 44.822, 346.411)

Have a look what the booklet for
CIELCh(18, 44.822, 346.411)
contains.

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Color

CIELCh(18, 43.163, 346.748)

Conversions

Conversions Part 1

Format	Color
Hex	5B003B
RGB	91, 0, 59
RGB Percent	36%, 0%, 23%
CMY	0.6430, 1.0000, 0.7680
CMYK	0.00, 1.00, 0.35, 0.64
HSL	321°, 100%, 18%
HSV	321°, 100%, 36%
XYZ	5.0982, 2.5180, 4.3775
YIQ	33.9350, 35.2970, 37.6410

Conversions

Conversions Part 2

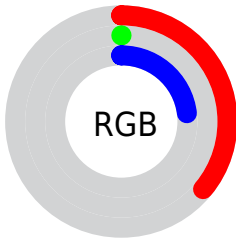
Format	Color
R_{YB}	91, 0, 59
Decimal	5963835
CIE _{Lab}	18.00, 42.01, -9.89
CIE _{LCh}	18, 43.163, 346.748
Yxy	2.5180, 0.4251, 0.2099
Android (android.graphics.Color)	4284153915 (0xFF5B003B)
YUV	33.9350, 12.3570, 50.0460
Hunter-Lab	15.8683, 29.5788, -5.2483

Details

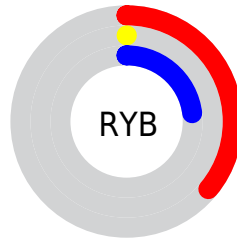
The CIELCh color **18, 43.163, 346.748** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 46.418, 144.419**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.677, 347.351**, and **5, 22.345, 2.231** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.805, 346.870**, and if you desaturate by 10%, it is **19, 40.937, 345.255**.

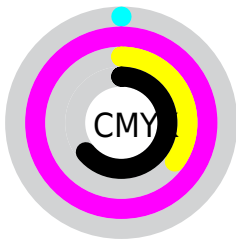
Distribution



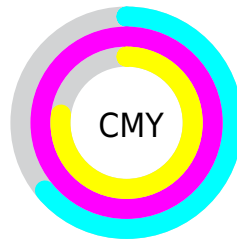
- Red (36%)
- Green (0%)
- Blue (23%)



- Red (36%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (64%)



- Cyan (64%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 43.163, 346.748 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, 43.163, 346.748 by changing the saturation by 10% instead.

 18, 43.163,
346.748

 18, 43.163,
346.748

 100, 43.163,
346.748

 8, 43.163, 346.748


 38, 43.163,
346.748

 0, 43.163, 346.748

 48, 43.163,
346.748

 58, 43.163,
346.748


 68, 43.163,
346.748

 78, 43.163,
346.748


 88, 43.163,


346.748


 98, 43.163,
346.748


 18, 43.163,
346.748


 18, 43.163,
346.748


 18, 42.805,
346.870

 19, 40.937,
345.255

 20, 38.766,
343.680

 22, 35.545,
342.356

 24, 31.460,
341.219

 26, 26.741,
340.218

■ 28, 21.610,
339.318

■ 31, 16.251,
338.495

■ 33, 10.803,
337.730

■ 36, 5.366, 337.006

Harmonies

Complementary

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



18, 43.163, 346.748



33, 46.418, 144.419

Rectangle

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



18, 43.163, 346.748



18, 43.163, 36.748



18, 43.163, 166.748



18, 43.163, 216.748

Sweetspot

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



18, 42.805, 346.870



39, 20.027, 338.568



9, 60.132, 309.761



18, 13.523, 338.778



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, 42.805, 346.870



25, 50.874, 347.653



17, 43.199, 27.944



17, 3.024, 336.922



23, 48.559, 347.458



52, 84.555, 349.182

Inverse Universe

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



18, 42.805, 346.870



25, 50.874, 347.653



34, 27.181, 177.398



17, 3.024, 336.922



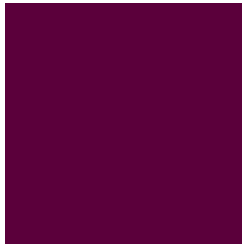
23, 48.559, 347.458



52, 84.555, 349.182

Previews

White Background



This preview shows how the CIELCh color 18, 43.163, 346.748 looks on a white background.

Color Contrast Check

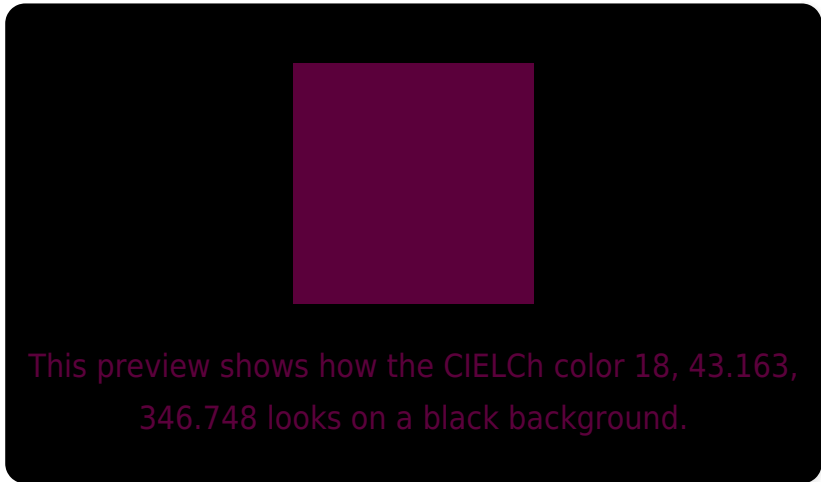
Large Text (above 18pt) WCAG AA ✓ Pass

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

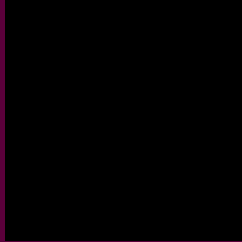
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 43.163, 346.748

Background



This preview shows how black text looks on a background with the CIELCh color 18, 43.163, 346.748.



This preview shows how white text looks on a background with the CIELCh color 18, 43.163, 346.748.

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, 42.758, 346.987

Protanopia

20, 25.977, 285.693

Deuteranopia

20, 5.640, 305.243



Tritanopia
19, 34.527, 28.932

Trichromacy



Original Color
18, 42.758, 346.987

Protanomaly
17, 32.709, 311.832

Deuteranomaly
17, 23.534, 334.813

Tritanomaly
19, 35.398, 10.972

Monochromacy



Original Color
18, 42.758, 346.987

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 20.725, 341.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 43.163, 346.748 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(91, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 59)  
}
```

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(91, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 43.163, 346.748 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(91, 0, 59) }
```

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

```
.border{ border-color:rgb(91, 0, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 0, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 0, 59); box-shadow:4px  
4px 4px 4px rgb(91, 0, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 43.163, 346.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 59) }
```

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

```
.background{ background-color: rgb(91, 0,  
59) }
```

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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