

Converting Colors

CIELCh(7, 88.522, 333.358)

Have a look what the booklet for
CIELCh(7, 88.522, 333.358) contains.

CIELCh(18, 48.134, 333.037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 48.134, 333.037)

Conversions

Conversions Part 1

Format	Color
Hex	56004C
RGB	86, 0, 76
RGB Percent	34%, 0%, 30%
CMY	0.6619, 0.9990, 0.7012
CMYK	0.00, 1.00, 0.12, 0.66
HSL	307°, 99%, 17%
HSV	307°, 100%, 34%
XYZ	5.1705, 2.5180, 7.0855
YIQ	34.3780, 26.8600, 41.8680

Conversions

Conversions Part 2

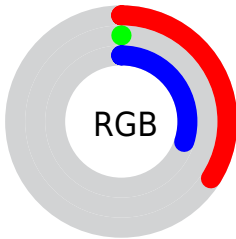
Format	Color
RYB	86, 0, 76
Decimal	5636172
CIELab	18.00, 42.90, -21.82
CIElCh	18, 48.134, 333.037
Yxy	2.5180, 0.3500, 0.1704
Android (android.graphics.Color)	4283826252 (0xFF56004C)
YUV	34.3780, 20.5196, 45.2725
Hunter-Lab	15.8683, 30.3930, -15.3664

Details

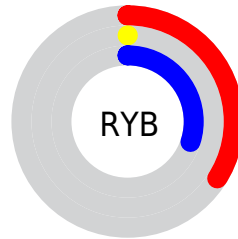
The CIELCh color **18, 48.134, 333.037** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 51.490, 138.224**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 47.856, 333.278**, and **5, 25.692, 334.500** is the 20% darker color. If you saturate the color by 10%, you get **18, 48.203, 333.051**, and if you desaturate by 10%, it is **19, 45.813, 332.555**.

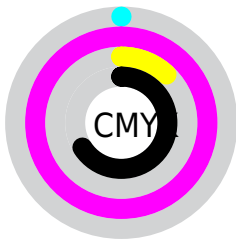
Distribution



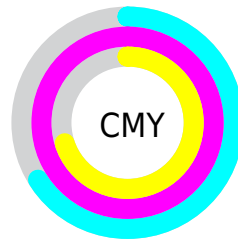
- Red (34%)
- Green (0%)
- Blue (30%)



- Red (34%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (66%)




- Cyan (66%)
- Magenta (100%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 48.134, 333.037 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, 48.134, 333.037 by changing the saturation by 10% instead.

 18, 48.134,
333.037

 18, 48.134,
333.037

 100, 48.134,
333.037


 8, 48.134, 333.037


 38, 48.134,
333.037

 0, 48.134, 333.037

 48, 48.134,
333.037

 58, 48.134,
333.037


 68, 48.134,
333.037


 78, 48.134,
333.037


 88, 48.134,


333.037


 98, 48.134,
333.037


 18, 48.134,
333.037


 18, 48.134,
333.037

 18, 48.203,
333.051

 19, 45.813,
332.555

 20, 43.186,
332.053

 21, 39.512,
331.543

 23, 34.952,
331.020

 25, 29.721,
330.483

■ 27, 24.032,
329.936

■ 29, 18.070,
329.382

■ 32, 11.982,
328.828

■ 34, 5.877, 328.271

Harmonies

Complementary

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



18, 48.134, 333.037



31, 51.490, 138.224

Rectangle

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



18, 48.134, 333.037



18, 48.134, 23.037



18, 48.134, 153.037



18, 48.134, 203.037

Sweetspot

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



18, 48.133, 333.037



38, 22.673, 329.454



7, 59.537, 306.749



17, 15.287, 329.592



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, 48.133, 333.037



25, 57.805, 333.233



16, 38.247, 7.231



16, 3.402, 328.219



24, 55.954, 333.203



54, 98.892, 333.582

Inverse Universe

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



18, 48.133, 333.037



25, 57.805, 333.233



32, 34.885, 156.765



16, 3.402, 328.219



24, 55.954, 333.203



54, 98.892, 333.582

Previews

White Background



This preview shows how the CIELCh color 18, 48.134, 333.037 looks on a white background.

Color Contrast Check

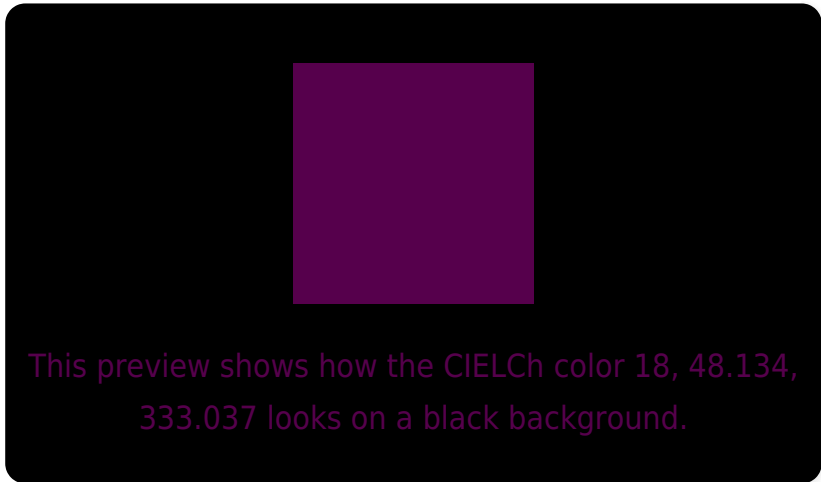
Large Text (above 18pt) WCAG AA ✓ Pass

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

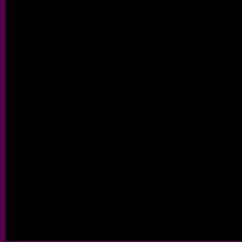
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 48.134, 333.037

Background



This preview shows how black text looks on a background with the CIELCh color 18, 48.134, 333.037.



This preview shows how white text looks on a background with the CIELCh color 18, 48.134, 333.037.

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, 48.134, 333.037

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 16.575, 281.181



Tritanopia
19, 26.891, 24.216

Trichromacy



Original Color
18, 48.134, 333.037

Protanomaly
15, 42.441, 300.785

Deuteranomaly
17, 30.897, 314.208

Tritanomaly
18, 32.451, 356.787

Monochromacy



Original Color
18, 48.134, 333.037

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 23.626, 331.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 48.134, 333.037 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 48.134, 333.037 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, 76) }
```

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

```
.border{ border-color:rgb(86, 0, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 76); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 76); box-shadow:4px  
4px 4px 4px rgb(86, 0, 76) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 48.134, 333.037 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, 76) }
```

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

```
.background{ background-color: rgb(86, 0,  
76) }
```

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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