

Converting Colors

CIELCh(18, 40.028, 5.697)

Have a look what the booklet for
CIELCh(18, 40.028, 5.697) contains.

CIELCh(18, 40.127, 5.380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(18, 40.127, 5.380)

Conversions

Conversions Part 1

Format	Color
Hex	5D0128
RGB	93, 1, 40
RGB Percent	36%, 0%, 16%
CMY	0.6345, 0.9952, 0.8425
CMYK	0.00, 0.99, 0.57, 0.63
HSL	335°, 97%, 19%
HSV	335°, 99%, 37%
XYZ	4.9326, 2.5180, 2.2470
YIQ	32.9540, 42.3130, 31.6330

Conversions

Conversions Part 2

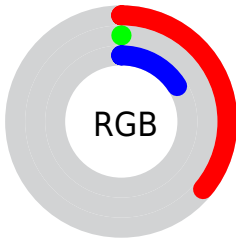
Format	Color
RYB	93, 1, 40
Decimal	6095144
CIELab	18.00, 39.95, 3.76
CIElCh	18, 40.127, 5.380
Yxy	2.5180, 0.5086, 0.2597
Android (android.graphics.Color)	4284285224 (0xFF5D0128)
YUV	32.9540, 3.4737, 52.6603
Hunter-Lab	15.8683, 27.7167, 2.7123

Details

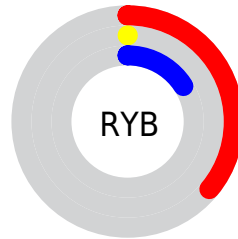
The CIELCh color **18, 40.127, 5.380** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 37.685, 155.259**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.153, 5.244**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.448, 5.781**, and if you desaturate by 10%, it is **19, 37.909, 2.146**.

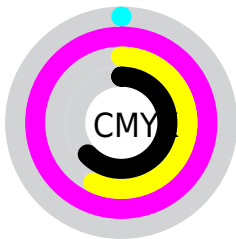
Distribution



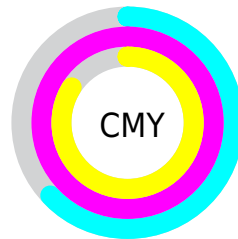
- Red (36%)
- Green (0%)
- Blue (16%)



- Red (36%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (99%)
- Yellow (57%)
- Black (63%)



- Cyan (63%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.127, 5.380 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, 40.127, 5.380 by changing the saturation by 10% instead.

 18, 40.127, 5.380  18, 40.127, 5.380

 100, 40.127, 5.380  8, 40.127, 5.380

 38, 40.127, 5.380  0, 40.127, 5.380

 48, 40.127, 5.380

 58, 40.127, 5.380

 68, 40.127, 5.380

 78, 40.127, 5.380

 88, 40.127, 5.380

 98, 40.127, 5.380

 18, 40.127, 5.380  18, 40.127, 5.380

■ 18, 40.448, 5.781

■ 19, 37.909, 2.146

■ 20, 35.367,
359.137

■ 22, 31.981,
356.725

■ 24, 27.924,
354.770

■ 26, 23.406,
353.157

■ 29, 18.625,
351.798

■ 31, 13.738,
350.627

■ 34, 8.859, 349.598

■ 37, 4.064, 348.659

Harmonies

Complementary

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



18, 40.127, 5.380



34, 37.685, 155.259

Rectangle

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



18, 40.127, 5.380



18, 40.127, 55.380



18, 40.127, 185.380



18, 40.127, 235.380

Sweetspot

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



18, 40.125, 5.382



41, 18.017, 350.881



13, 57.972, 314.248



19, 12.197, 351.194



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 40.125, 5.382



25, 49.045, 7.467



18, 45.209, 36.621



17, 2.591, 348.672



22, 45.337, 6.828



51, 80.105, 10.302

Inverse Universe

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



18, 40.125, 5.382



25, 49.045, 7.467



33, 22.058, 206.836



17, 2.591, 348.672



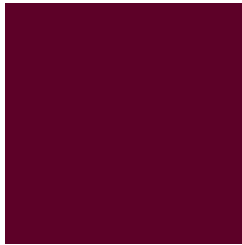
22, 45.337, 6.828



51, 80.105, 10.302

Previews

White Background



This preview shows how the CIE LCh color 18, 40.127, 5.380 looks on a white background.

Color Contrast Check

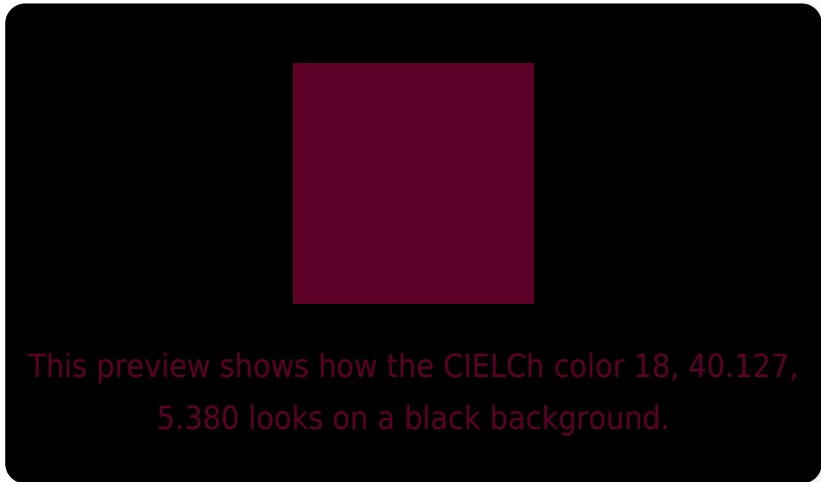
Large Text (above 18pt) WCAG AA ✓ Pass

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

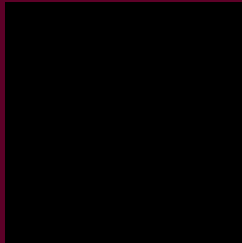
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 40.127, 5.380

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.127, 5.380.



This preview shows how white text looks on a background with the CIELCh color 18, 40.127, 5.380.

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, 40.127, 5.380

Protanopia

20, 6.844, 284.554

Deuteranopia

20, 8.921, 69.002



Tritanopia
19, 39.953, 32.399

Trichromacy



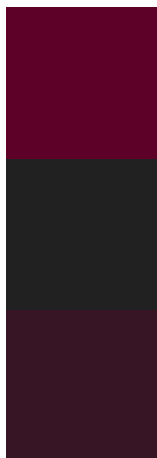
Original Color
18, 40.127, 5.380

Protanomaly
17, 20.143, 339.720

Deuteranomaly
17, 20.472, 10.380

Tritanomaly
18, 38.814, 22.726

Monochromacy



Original Color
18, 40.127, 5.380

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 19.159, 353.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 40.127, 5.380 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(93, 1, 40)` looks like.

```
.text, #text, p{  
    color:rgb(93, 1, 40)  
}
```

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(93, 1, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 1, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.127, 5.380 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(93, 1, 40) }
```

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

```
.border{ border-color:rgb(93, 1, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 1, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 1, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 1, 40); box-shadow:4px  
4px 4px 4px rgb(93, 1, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.127, 5.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 1, 40) }
```

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

```
.background{ background-color: rgb(93, 1,  
40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor