

Converting Colors

CIELCh(18, 40.091, 1.057)

Have a look what the booklet for
CIELCh(18, 40.091, 1.057) contains.

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Color

CIELCh(18, 40.310, 1.508)

Conversions

Conversions Part 1

Format	Color
Hex	5D012C
RGB	93, 1, 44
RGB Percent	36%, 0%, 17%
CMY	0.6359, 0.9967, 0.8279
CMYK	0.00, 0.99, 0.53, 0.64
HSL	332°, 98%, 18%
HSV	332°, 99%, 36%
XYZ	4.9601, 2.5180, 2.5956
YIQ	33.4100, 41.0290, 32.8770

Conversions

Conversions Part 2

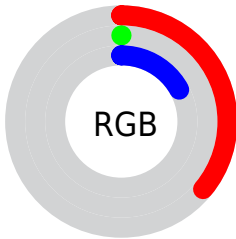
Format	Color
R_{YB}	93, 1, 44
Decimal	6095148
CIE _{Lab}	18.00, 40.30, 1.06
CIE _{LCh}	18, 40.310, 1.508
Yxy	2.5180, 0.4924, 0.2500
Android (android.graphics.Color)	4284285228 (0xFF5D012C)
YUV	33.4100, 5.2209, 52.2604
Hunter-Lab	15.8683, 28.0259, 1.4099

Details

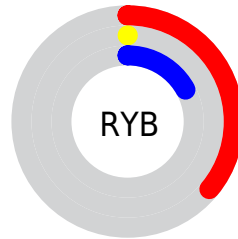
The CIELCh color **18, 40.310, 1.508** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 39.526, 152.671**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.464, 1.852**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.511, 1.755**, and if you desaturate by 10%, it is **19, 38.241, 358.592**.

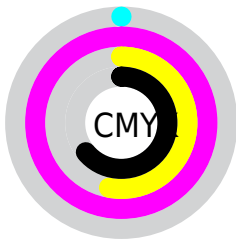
Distribution



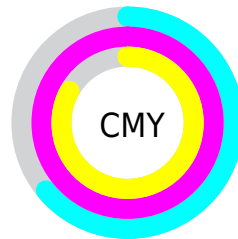
- Red (36%)
- Green (0%)
- Blue (17%)



- Red (36%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (99%)
- Yellow (53%)
- Black (64%)



- Cyan (64%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.310, 1.508 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, 40.310, 1.508 by changing the saturation by 10% instead.

 18, 40.310, 1.508  18, 40.310, 1.508

 100, 40.310, 1.508  8, 40.310, 1.508

 38, 40.310, 1.508  0, 40.310, 1.508

 48, 40.310, 1.508

 58, 40.310, 1.508

 68, 40.310, 1.508

 78, 40.310, 1.508

 88, 40.310, 1.508

 98, 40.310, 1.508

 18, 40.310, 1.508  18, 40.310, 1.508

18, 40.511, 1.755

19, 38.241,
358.592

20, 35.858,
355.848

22, 32.572,
353.642

24, 28.559,
351.844

26, 24.040,
350.347

29, 19.219,
349.075

31, 14.260,
347.969

34, 9.286, 346.988

37, 4.376, 346.089

Harmonies

Complementary

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



18, 40.310, 1.508



34, 39.526, 152.671

Rectangle

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



18, 40.310, 1.508



18, 40.310, 51.508



18, 40.310, 181.508



18, 40.310, 231.508

Sweetspot

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



18, 40.308, 1.509



40, 18.155, 348.159



12, 58.571, 313.027



19, 12.499, 348.460



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, 40.308, 1.509



25, 48.406, 3.199



17, 45.946, 35.079



17, 2.666, 346.063



22, 45.461, 2.727



51, 79.918, 5.897

Inverse Universe

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



18, 40.308, 1.509



25, 48.406, 3.199



35, 23.354, 198.830



17, 2.666, 346.063



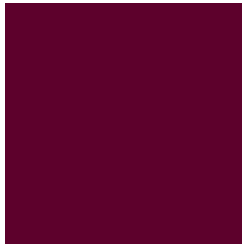
22, 45.461, 2.727



51, 79.918, 5.897

Previews

White Background



This preview shows how the CIE LCh color 18, 40.310, 1.508 looks on a white background.

Color Contrast Check

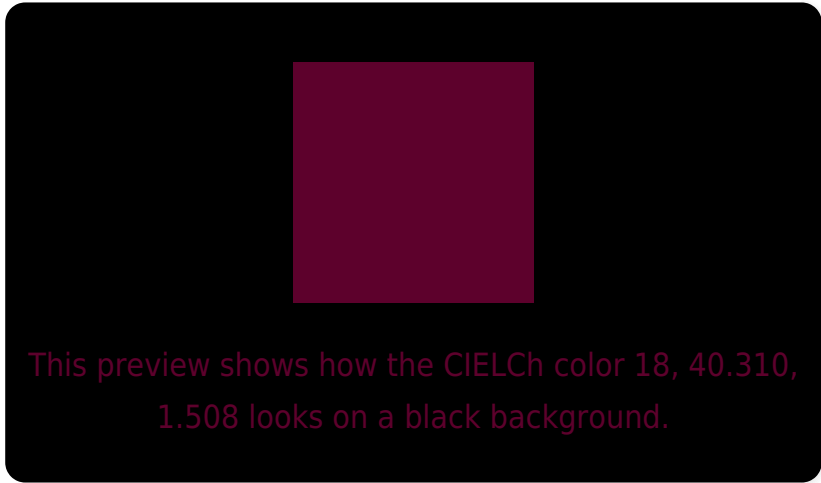
Large Text (above 18pt) WCAG AA ✓ Pass

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

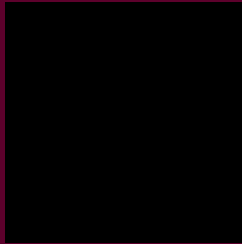
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 40.310, 1.508

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.310, 1.508.



This preview shows how white text looks on a background with the CIELCh color 18, 40.310, 1.508.

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, 40.310, 1.508

Protanopia

20, 10.960, 284.184

Deuteranopia

20, 6.516, 58.579



Tritanopia
19, 39.467, 32.157

Trichromacy



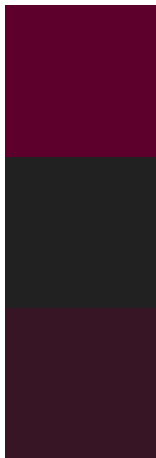
Original Color
18, 40.310, 1.508

Protanomaly
17, 22.123, 331.935

Deuteranomaly
17, 20.179, 4.033

Tritanomaly
18, 38.419, 20.779

Monochromacy



Original Color
18, 40.310, 1.508

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 19.416, 351.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 40.310, 1.508 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(93, 1, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 1, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.310, 1.508 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, 44) }
```

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

```
.border{ border-color:rgb(93, 1, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 1, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 1, 44); box-shadow:4px  
4px 4px 4px rgb(93, 1, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.310, 1.508 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, 44) }
```

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

```
.background{ background-color: rgb(93, 1,  
44) }
```

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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