

Converting Colors

CIELCh(10, 63.618, 354.303)

Have a look what the booklet for
CIELCh(10, 63.618, 354.303)
contains.

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Color

CIELCh(18, 40.082, 6.613)

Conversions

Conversions Part 1

Format	Color
Hex	5D0127
RGB	93, 1, 39
RGB Percent	36%, 0%, 15%
CMY	0.6343, 0.9944, 0.8472
CMYK	0.00, 0.98, 0.58, 0.63
HSL	335°, 97%, 19%
HSV	335°, 98%, 37%
XYZ	4.9219, 2.5180, 2.1437
YIQ	32.8400, 42.6340, 31.3220

Conversions

Conversions Part 2

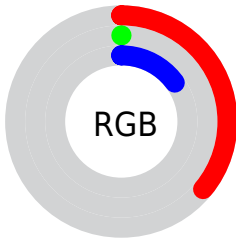
Format	Color
R_{YB}	93, 1, 39
Decimal	6095143
CIE _{Lab}	18.00, 39.82, 4.62
CIE _{LCh}	18, 40.082, 6.613
Yxy	2.5180, 0.5136, 0.2627
Android (android.graphics.Color)	4284285223 (0xFF5D0127)
YUV	32.8400, 3.0369, 52.7603
Hunter-Lab	15.8683, 27.5963, 3.0981

Details

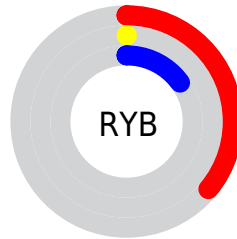
The CIELCh color **18, 40.082, 6.613** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 37.062, 156.160**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.100, 6.102**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.465, 7.092**, and if you desaturate by 10%, it is **19, 37.808, 3.282**.

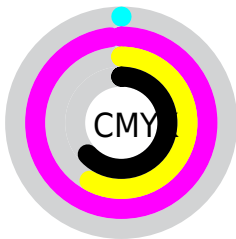
Distribution



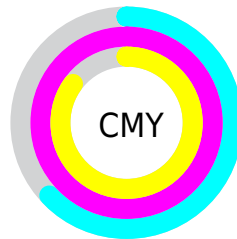
- Red (36%)
- Green (0%)
- Blue (15%)



- Red (36%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (58%)
- Black (63%)



- Cyan (63%)
- Magenta (99%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.082, 6.613 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, 40.082, 6.613 by changing the saturation by 10% instead.

 18, 40.082, 6.613  18, 40.082, 6.613

 100, 40.082, 6.613  8, 40.082, 6.613

 38, 40.082, 6.613  0, 40.082, 6.613

 48, 40.082, 6.613

 58, 40.082, 6.613

 68, 40.082, 6.613

 78, 40.082, 6.613

 88, 40.082, 6.613

 98, 40.082, 6.613

 18, 40.082, 6.613  18, 40.082, 6.613

18, 40.465, 7.092

19, 37.808, 3.282

20, 35.201, 0.197

22, 31.773,
357.725

24, 27.694,
355.726

26, 23.171,
354.079

29, 18.400,
352.695

31, 13.536,
351.506

34, 8.688, 350.463

37, 3.929, 349.513

Harmonies

Complementary

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



18, 40.082, 6.613



34, 37.062, 156.160

Rectangle

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



18, 40.082, 6.613



18, 40.082, 56.613



18, 40.082, 186.613



18, 40.082, 236.613

Sweetspot

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



18, 40.080, 6.615



41, 17.880, 351.788



13, 57.730, 314.679



19, 12.106, 352.107



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, 40.080, 6.615



25, 49.081, 8.818



18, 44.935, 37.113



17, 2.568, 349.546



22, 45.356, 8.163



51, 80.284, 11.723

Inverse Universe

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



18, 40.080, 6.615



25, 49.081, 8.818



33, 21.703, 209.720



17, 2.568, 349.546



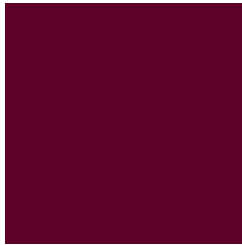
22, 45.356, 8.163



51, 80.284, 11.723

Previews

White Background



This preview shows how the CIE LCh color 18, 40.082, 6.613 looks on a white background.

Color Contrast Check

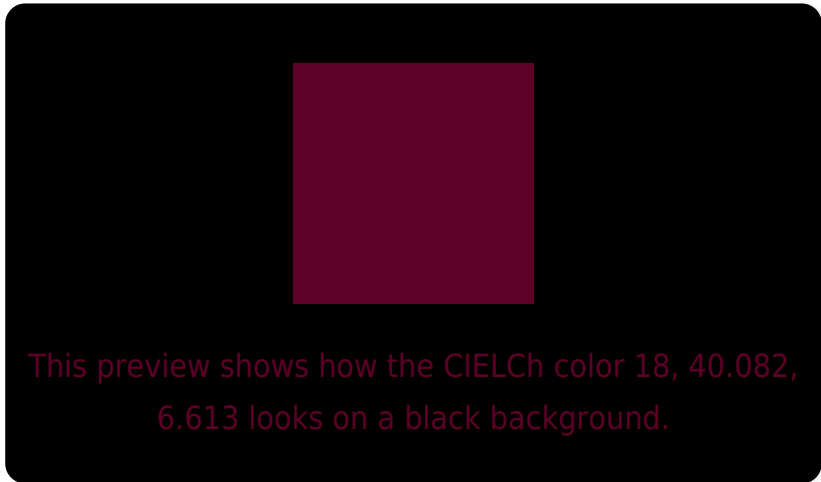
Large Text (above 18pt) WCAG AA ✓ Pass

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

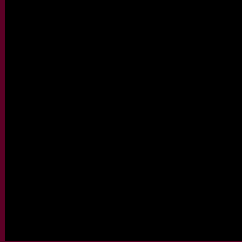
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 40.082, 6.613

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.082, 6.613.



This preview shows how white text looks on a background with the CIELCh color 18, 40.082, 6.613.

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, 40.116, 6.358

Protanopia

20, 6.172, 283.541

Deuteranopia

20, 9.474, 71.310



Tritanopia
19, 40.205, 33.066

Trichromacy



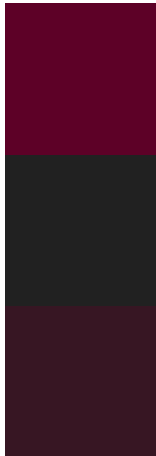
Original Color
18, 40.116, 6.358

Protanomaly
17, 19.365, 342.896

Deuteranomaly
17, 20.502, 14.192

Tritanomaly
18, 39.030, 23.680

Monochromacy



Original Color
18, 40.116, 6.358

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 18.281, 356.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 40.082, 6.613 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(93, 1, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 1, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.082, 6.613 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, 39) }
```

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

```
.border{ border-color:rgb(93, 1, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 1, 39); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 1, 39); box-shadow:4px  
4px 4px 4px rgb(93, 1, 39) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.082, 6.613 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, 39) }
```

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

```
.background{ background-color: rgb(93, 1,  
39) }
```

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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