

Converting Colors

CIELCh(18, 40.903, 2.729)

Have a look what the booklet for
CIELCh(18, 40.903, 2.729) contains.

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Color

CIELCh(18, 40.795, 2.757)

Conversions

Conversions Part 1

Format	Color
Hex	5E002B
RGB	94, 0, 43
RGB Percent	37%, 0%, 17%
CMY	0.6331, 1.0000, 0.8327
CMYK	0.00, 1.00, 0.54, 0.63
HSL	333°, 100%, 18%
HSV	333°, 100%, 37%
XYZ	4.9962, 2.5180, 2.4755
YIQ	33.0080, 42.2210, 33.3010

Conversions

Conversions Part 2

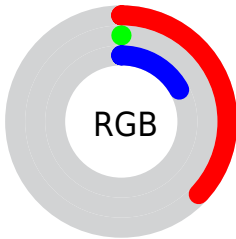
Format	Color
R_{YB}	94, 0, 43
Decimal	6160427
CIE _{Lab}	18.00, 40.75, 1.96
CIE _{LCh}	18, 40.795, 2.757
Yxy	2.5180, 0.5001, 0.2521
Android (android.graphics.Color)	4284350507 (0xFF5E002B)
YUV	33.0080, 4.9261, 53.4900
Hunter-Lab	15.8683, 28.4316, 1.8584

Details

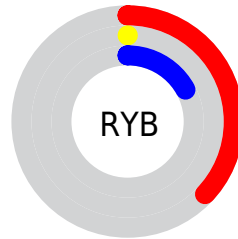
The CIELCh color **18, 40.795, 2.757** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 39.509, 153.153**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.729, 3.038**, and **5, 23.178, 19.104** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.658, 2.864**, and if you desaturate by 10%, it is **19, 38.524, 359.875**.

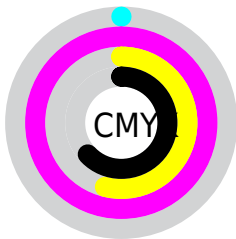
Distribution



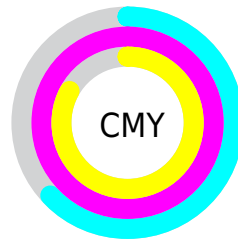
- Red (37%)
- Green (0%)
- Blue (17%)



- Red (37%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (63%)



- Cyan (63%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.795, 2.757 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, 40.795, 2.757 by changing the saturation by 10% instead.

 18, 40.795, 2.757  18, 40.795, 2.757

 100, 40.795, 2.757  8, 40.795, 2.757

 38, 40.795, 2.757  0, 40.795, 2.757

 48, 40.795, 2.757

 58, 40.795, 2.757

 68, 40.795, 2.757

 78, 40.795, 2.757

 88, 40.795, 2.757

 98, 40.795, 2.757

 18, 40.795, 2.757  18, 40.795, 2.757

18, 40.658, 2.864

19, 38.524,
359.875

20, 36.189,
356.990

22, 32.949,
354.673

24, 28.970,
352.791

26, 24.470,
351.233

29, 19.657,
349.914

31, 14.699,
348.774

34, 9.720, 347.767

37, 4.805, 346.851

Harmonies

Complementary

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



18, 40.795, 2.757



34, 39.509, 153.153

Rectangle

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



18, 40.795, 2.757



18, 40.795, 52.757



18, 40.795, 182.757



18, 40.795, 232.757

Sweetspot

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



18, 40.658, 2.864



41, 18.346, 348.876



12, 59.133, 313.435



19, 12.415, 349.176



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, 40.658, 2.864



25, 49.082, 4.411



18, 46.312, 35.781



17, 2.646, 346.744



22, 45.401, 3.814



51, 79.914, 7.071

Inverse Universe

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



18, 40.658, 2.864



25, 49.082, 4.411



34, 23.060, 201.414



17, 2.646, 346.744



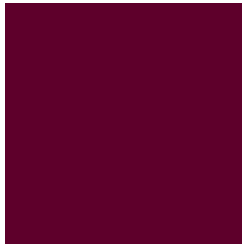
22, 45.401, 3.814



51, 79.914, 7.071

Previews

White Background



This preview shows how the CIE LCh color 18, 40.795, 2.757 looks on a white background.

Color Contrast Check

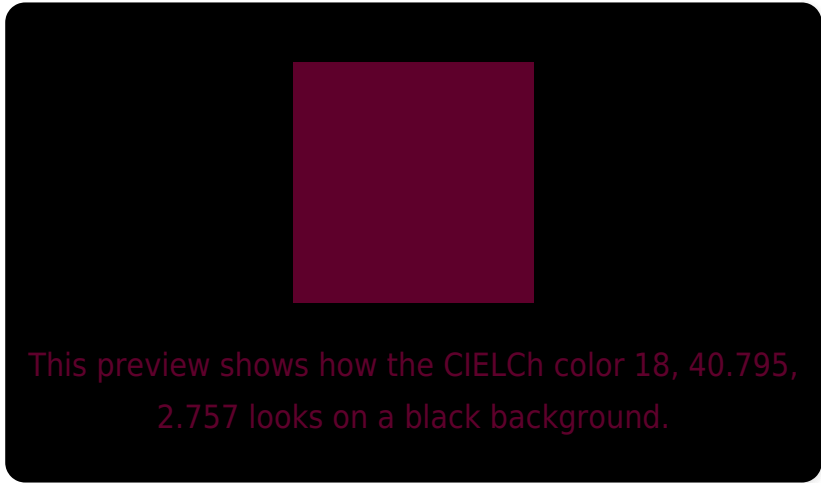
Large Text (above 18pt) WCAG AA ✓ Pass

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

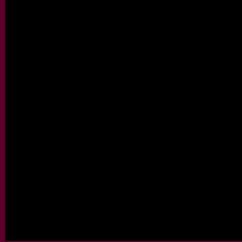
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 40.795, 2.757

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.795, 2.757.



This preview shows how white text looks on a background with the CIELCh color 18, 40.795, 2.757.

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, 40.795, 2.757

Protanopia

20, 9.576, 284.930

Deuteranopia

20, 6.992, 62.594



Tritanopia
19, 39.928, 32.272

Trichromacy



Original Color
18, 40.795, 2.757

Protanomaly
17, 21.426, 335.476

Deuteranomaly
17, 21.111, 5.486

Tritanomaly
19, 39.028, 22.044

Monochromacy



Original Color
18, 40.795, 2.757

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, 40.795, 2.757 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(94, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 43)  
}
```

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(94, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.795, 2.757 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(94, 0, 43) }
```

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

```
.border{ border-color:rgb(94, 0, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 43); -webkit-box-shadow:4px  
4px 4px 4px rgb(94, 0, 43); box-shadow:4px  
4px 4px 4px rgb(94, 0, 43) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.795, 2.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 43) }
```

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

```
.background{ background-color: rgb(94, 0,  
43) }
```

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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