

Converting Colors

CIELCh(18, 27.812, 2.720)

Have a look what the booklet for
CIELCh(18, 27.812, 2.720) contains.

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Color

CIELCh(18, 27.750, 2.347)

Conversions

Conversions Part 1

Format	Color
Hex	4F182B
RGB	79, 24, 43
RGB Percent	31%, 9%, 17%
CMY	0.6889, 0.9047, 0.8303
CMYK	0.00, 0.69, 0.45, 0.69
HSL	339°, 53%, 20%
HSV	339°, 69%, 31%
XYZ	4.0249, 2.5180, 2.5853
YIQ	42.6110, 26.6810, 17.5690

Conversions

Conversions Part 2

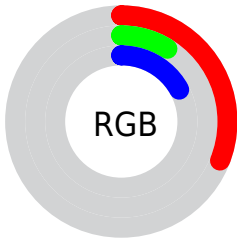
Format	Color
R_YB	79, 24, 43
Decimal	5183531
CIE Lab	18.00, 27.73, 1.14
CIE LCh	18, 27.750, 2.347
Yxy	2.5180, 0.4409, 0.2758
Android (android.graphics.Color)	4283373611 (0xFF4F182B)
YUV	42.6110, 0.1918, 31.9132
Hunter-Lab	15.8683, 17.5062, 1.4480

Details

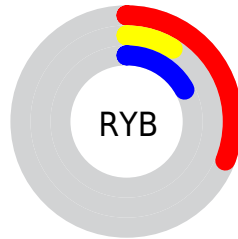
The CIELCh color **18, 27.750, 2.347** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **30, 23.970, 165.552**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 27.739, 2.752**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **16, 30.921, 5.002**, and if you desaturate by 10%, it is **20, 24.098, 0.202**.

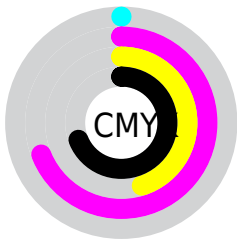
Distribution



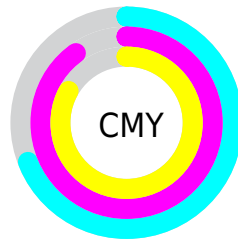
- Red (31%)
- Green (9%)
- Blue (17%)



- Red (31%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (69%)
- Yellow (45%)
- Black (69%)



- Cyan (69%)
- Magenta (90%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 27.750, 2.347 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, 27.750, 2.347 by changing the saturation by 10% instead.

 18, 27.750, 2.347  18, 27.750, 2.347

 100, 27.750, 2.347  8, 27.750, 2.347

 38, 27.750, 2.347  0, 27.750, 2.347

 48, 27.750, 2.347

 58, 27.750, 2.347

 68, 27.750, 2.347

 78, 27.750, 2.347

 88, 27.750, 2.347

 98, 27.750, 2.347

 18, 27.750, 2.347  18, 27.750, 2.347

16, 30.921, 5.002

20, 24.098, 0.202

15, 33.505, 8.270

22, 20.132,
358.443

14, 36.174, 11.398

24, 16.002,
356.974

14, 36.359, 11.579

26, 11.830,
355.724

29, 7.699, 354.638

31, 3.664, 353.660

34, 0.242, 173.870

36, 4.005, 172.192

39, 7.622, 171.480

Harmonies

Complementary

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



18, 27.750, 2.347



30, 23.970, 165.552

Rectangle

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



18, 27.750, 2.347



18, 27.750, 52.347



18, 27.750, 182.347



18, 27.750, 232.347

Sweetspot

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



18, 27.748, 2.349



37, 10.315, 354.883



16, 38.822, 316.637



17, 6.907, 355.025



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 27.748, 2.349



22, 38.871, 7.064



19, 26.663, 37.134



15, 2.237, 353.602



20, 44.237, 13.759



49, 80.420, 17.870

Inverse Universe

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



18, 27.748, 2.349



22, 38.871, 7.064



28, 15.988, 217.066



15, 2.237, 353.602



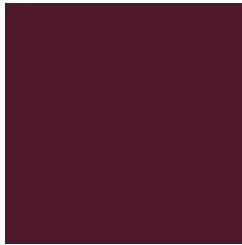
20, 44.237, 13.759



49, 80.420, 17.870

Previews

White Background



This preview shows how the CIE LCh color 18, 27.750, 2.347 looks on a white background.

Color Contrast Check

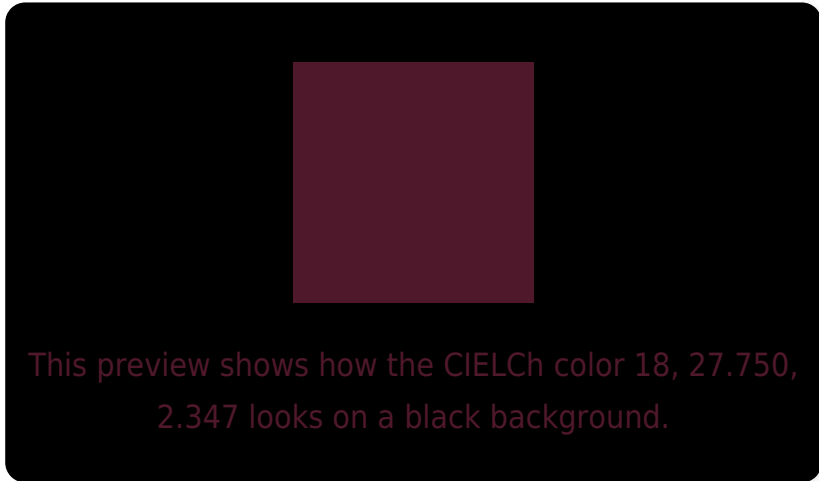
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.750, 2.347

Background



This preview shows how black text looks on a background with the CIELCh color 18, 27.750, 2.347.



This preview shows how white text looks on a background with the CIELCh color 18, 27.750, 2.347.

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, 27.750, 2.347

Protanopia

19, 6.911, 284.664

Deuteranopia

19, 4.479, 47.255



Tritanopia
18, 26.655, 24.522

Trichromacy



Original Color
18, 27.750, 2.347

Protanomaly
17, 13.012, 334.830

Deuteranomaly
18, 12.791, 7.369

Tritanomaly
18, 26.343, 16.352

Monochromacy



Original Color
18, 27.750, 2.347

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 10.832, 355.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 27.750, 2.347 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(79, 24, 43)` looks like.

```
.text, #text, p{  
    color:rgb(79, 24, 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(79, 24, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 24, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 27.750, 2.347 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(79, 24, 43) }
```

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

```
.border{ border-color:rgb(79, 24, 43) }
```

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

Here you see how a box with a 4 pixel rgb(79, 24, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 24, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 24, 43);  
box-shadow:4px 4px 4px 4px rgb(79, 24, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 27.750, 2.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 24, 43) }
```

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

```
.background{ background-color: rgb(79, 24,  
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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