

Converting Colors

CIELCh(18, 22.775, 10.033)

Have a look what the booklet for
CIELCh(18, 22.775, 10.033) contains.

CIELCh(18, 22.862, 9.570)	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, 22.862, 9.570)

Conversions

Conversions Part 1

Format	Color
Hex	4A1D27
RGB	74, 29, 39
RGB Percent	29%, 11%, 15%
CMY	0.7082, 0.8848, 0.8457
CMYK	0.00, 0.61, 0.47, 0.71
HSL	347°, 43%, 20%
HSV	347°, 61%, 29%
XYZ	3.6764, 2.5180, 2.2422
YIQ	43.5950, 23.6100, 12.6500

Conversions

Conversions Part 2

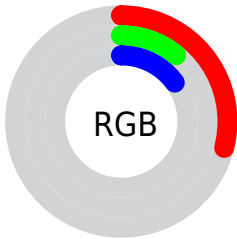
Format	Color
R_{YB}	74, 29, 39
Decimal	4857127
CIE Lab	18.00, 22.54, 3.80
CIE LCh	18, 22.862, 9.570
Yxy	2.5180, 0.4358, 0.2985
Android (android.graphics.Color)	4283047207 (0xFF4A1D27)
YUV	43.5950, -2.2653, 26.6652
Hunter-Lab	15.8683, 13.5858, 2.7300

Details

The CIELCh color **18, 22.862, 9.570** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 18.358, 175.966**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 22.747, 9.430**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.543, 12.016**, and if you desaturate by 10%, it is **20, 18.993, 7.590**.

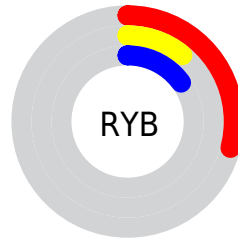
Distribution



Red (29%)

Green (11%)

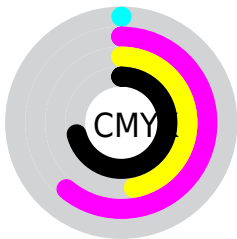
Blue (15%)



Red (29%)

Yellow (11%)

Blue (15%)

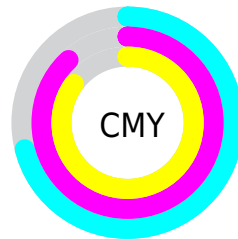


Cyan (0%)

Magenta (61%)

Yellow (47%)

Black (71%)



Cyan (71%)


Magenta (88%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 22.862, 9.570 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, 22.862, 9.570 by changing the saturation by 10% instead.

 18, 22.862, 9.570  18, 22.862, 9.570

 100, 22.862, 9.570  8, 22.862, 9.570

 38, 22.862, 9.570  0, 22.862, 9.570

 48, 22.862, 9.570

 58, 22.862, 9.570

 68, 22.862, 9.570

 78, 22.862, 9.570

 88, 22.862, 9.570

 98, 22.862, 9.570

 18, 22.862, 9.570  18, 22.862, 9.570

16, 26.543, 12.016

20, 18.993, 7.590

15, 29.911, 15.037

22, 15.061, 5.964

14, 32.938, 18.598

24, 11.161, 4.610

13, 35.868, 20.613

27, 7.359, 3.460

29, 3.692, 2.450

32, 0.183, 0.310

34, 3.164, 180.998

36, 6.352, 180.293

39, 9.387, 179.682

Harmonies

Complementary

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



18, 22.862, 9.570



28, 18.358, 175.966

Rectangle

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



18, 22.862, 9.570



18, 22.862, 59.570



18, 22.862, 189.570



18, 22.862, 239.570

Sweetspot

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



18, 22.861, 9.572



36, 7.999, 3.265



18, 32.863, 320.023



16, 5.501, 3.433



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 22.861, 9.572



22, 33.997, 13.526



21, 20.053, 45.897



14, 1.995, 2.271



20, 45.601, 24.312



48, 85.223, 28.640

Inverse Universe

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



18, 22.861, 9.572



22, 33.997, 13.526



24, 13.625, 233.868



14, 1.995, 2.271



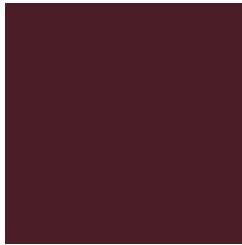
20, 45.601, 24.312



48, 85.223, 28.640

Previews

White Background



This preview shows how the CIELCh color 18, 22.862, 9.570 looks on a white background.

Color Contrast Check

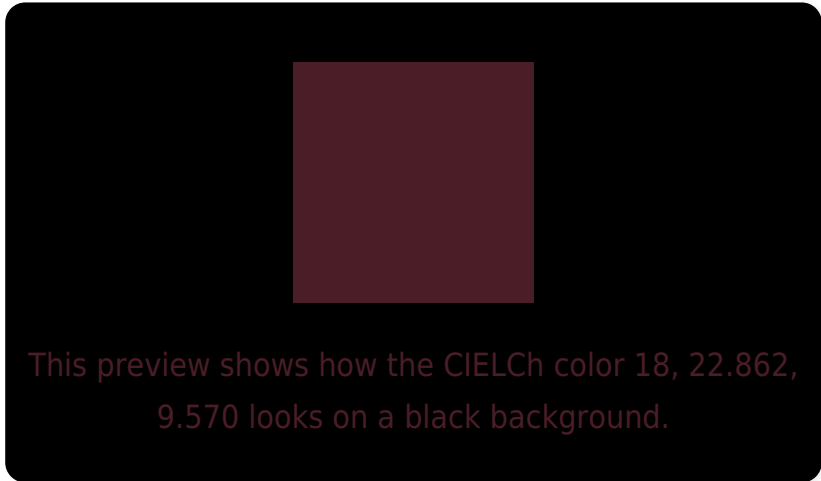
Large Text (above 18pt) WCAG AA ✓ Pass

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

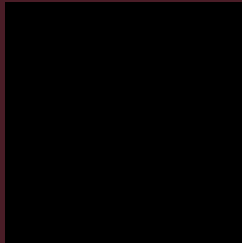
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 22.862, 9.570

Background



This preview shows how black text looks on a background with the CIELCh color 18, 22.862, 9.570.



This preview shows how white text looks on a background with the CIELCh color 18, 22.862, 9.570.

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, 22.862, 9.570

Protanopia

19, 2.065, 290.701

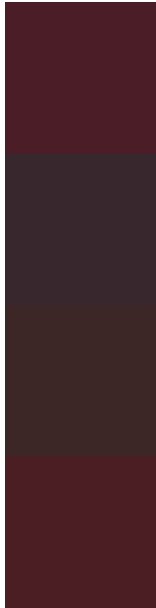
Deuteranopia

18, 6.196, 61.433



Tritanopia
18, 22.313, 22.246

Trichromacy



Original Color

18, 22.862, 9.570

Protanomaly

18, 9.172, 355.082

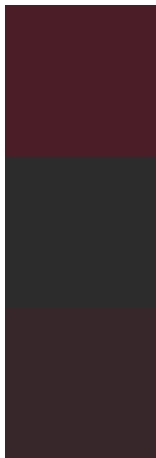
Deuteranomaly

18, 11.238, 22.120

Tritanomaly

18, 22.522, 17.551

Monochromacy



Original Color

18, 22.862, 9.570

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 8.144, 6.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 22.862, 9.570 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(74, 29, 39)` looks like.

```
.text, #text, p{  
    color:rgb(74, 29, 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(74, 29, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 29, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 22.862, 9.570 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(74, 29, 39) }
```

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

```
.border{ border-color:rgb(74, 29, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 29, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 29, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 29, 39);  
box-shadow:4px 4px 4px 4px rgb(74, 29, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 22.862, 9.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 29, 39) }
```

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

```
.background{ background-color: rgb(74, 29,  
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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