

Converting Colors

CIELCh(18, 28.913, 10.311)

Have a look what the booklet for
CIELCh(18, 28.913, 10.311) contains.

CIELCh(18, 28.801, 9.662)	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, 28.801, 9.662)

Conversions

Conversions Part 1

Format	Color
Hex	511726
RGB	81, 23, 38
RGB Percent	32%, 9%, 15%
CMY	0.6816, 0.9091, 0.8504
CMYK	0.00, 0.71, 0.53, 0.68
HSL	345°, 56%, 20%
HSV	345°, 71%, 32%
XYZ	4.0712, 2.5180, 2.1179
YIQ	42.0520, 29.7530, 16.9610

Conversions

Conversions Part 2

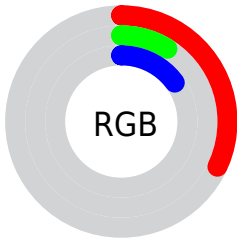
Format	Color
R_YB	81, 23, 38
Decimal	5314342
CIE Lab	18.00, 28.39, 4.83
CIE LCh	18, 28.801, 9.662
Yxy	2.5180, 0.4676, 0.2892
Android (android.graphics.Color)	4283504422 (0xFF511726)
YUV	42.0520, -1.9976, 34.1574
Hunter-Lab	15.8683, 18.0271, 3.1947

Details

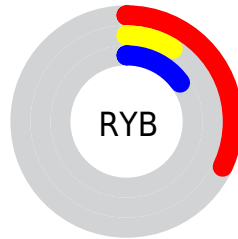
The CIELCh color **18, 28.801, 9.662** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **31, 23.004, 171.539**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.714, 8.809**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **17, 32.188, 12.770**, and if you desaturate by 10%, it is **20, 24.996, 7.160**.

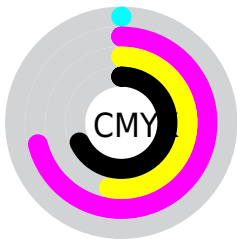
Distribution



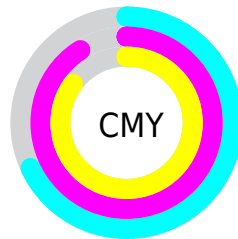
- Red (32%)
- Green (9%)
- Blue (15%)



- Red (32%)
- Yellow (9%)
- Blue (15%)



- Cyan (0%)
- Magenta (71%)
- Yellow (53%)
- Black (68%)



- Cyan (68%)
- Magenta (91%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 28.801, 9.662 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, 28.801, 9.662 by changing the saturation by 10% instead.

 18, 28.801, 9.662  18, 28.801, 9.662

 100, 28.801, 9.662  8, 28.801, 9.662

 38, 28.801, 9.662  0, 28.801, 9.662

 48, 28.801, 9.662

 58, 28.801, 9.662

 68, 28.801, 9.662

 78, 28.801, 9.662

 88, 28.801, 9.662

 98, 28.801, 9.662

 18, 28.801, 9.662  18, 28.801, 9.662

17, 32.188, 12.770

20, 24.996, 7.160

15, 35.134, 16.482

22, 20.924, 5.133

14, 37.849, 19.273

24, 16.728, 3.470

26, 12.524, 2.083

29, 8.395, 0.903

32, 4.394, 359.868

34, 0.547, 358.578

37, 3.133, 178.353

39, 6.646, 177.615

Harmonies

Complementary

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



18, 28.801, 9.662



31, 23.004, 171.539

Rectangle

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



18, 28.801, 9.662



18, 28.801, 59.662



18, 28.801, 189.662



18, 28.801, 239.662

Sweetspot

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



18, 28.799, 9.664



37, 10.134, 0.932



17, 40.706, 319.224



18, 6.934, 1.100



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 28.799, 9.664



22, 40.986, 15.552



21, 26.887, 43.419



15, 2.141, 359.598



20, 45.613, 21.451



49, 84.003, 25.696

Inverse Universe

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



18, 28.799, 9.664



22, 40.986, 15.552



26, 16.246, 230.931



15, 2.141, 359.598



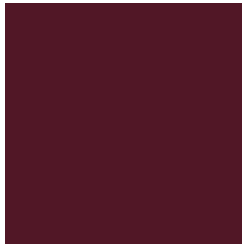
20, 45.613, 21.451



49, 84.003, 25.696

Previews

White Background



This preview shows how the CIELCh color 18, 28.801, 9.662 looks on a white background.

Color Contrast Check

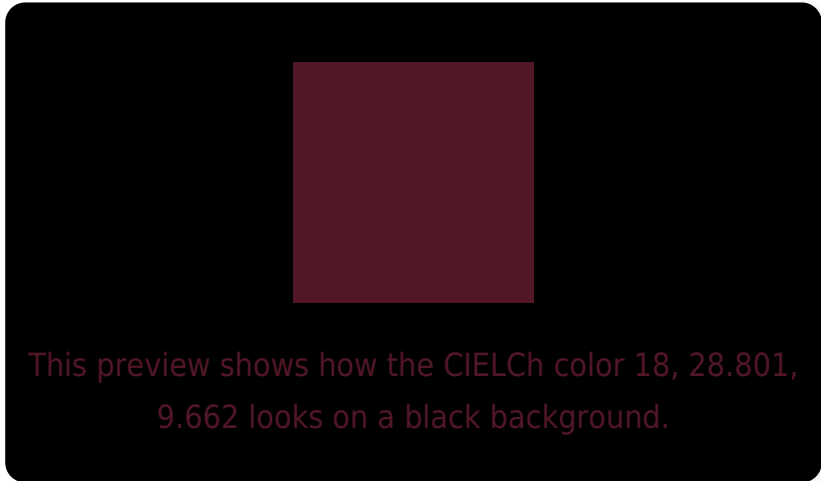
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.801, 9.662

Background



This preview shows how black text looks on a background with the CIELCh color 18, 28.801, 9.662.



This preview shows how white text looks on a background with the CIELCh color 18, 28.801, 9.662.

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, 28.801, 9.662

Protanopia

19, 3.440, 291.033

Deuteranopia

19, 7.761, 71.862



Tritanopia
18, 28.935, 26.726

Trichromacy



Original Color
18, 28.801, 9.662

Protanomaly
18, 11.759, 350.841

Deuteranomaly
18, 13.963, 22.904

Tritanomaly
18, 28.538, 20.654

Monochromacy



Original Color
18, 28.801, 9.662

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 11.110, 0.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 28.801, 9.662 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(81, 23, 38)` looks like.

```
.text, #text, p{  
    color:rgb(81, 23, 38)  
}
```

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(81, 23, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 23, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 28.801, 9.662 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(81, 23, 38) }
```

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

```
.border{ border-color:rgb(81, 23, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 23, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 23, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 23, 38);  
box-shadow:4px 4px 4px 4px rgb(81, 23, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 28.801, 9.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 23, 38) }
```

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

```
.background{ background-color: rgb(81, 23,  
38) }
```

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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