

Converting Colors

CIELCh(18, 30.435, 28.689)

Have a look what the booklet for
CIELCh(18, 30.435, 28.689) contains.

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Color

CIELCh(18, 30.843, 28.738)

Conversions

Conversions Part 1

Format	Color
Hex	521818
RGB	82, 24, 24
RGB Percent	32%, 9%, 9%
CMY	0.6782, 0.9057, 0.9057
CMYK	0.00, 0.71, 0.71, 0.68
HSL	0°, 55%, 21%
HSV	0°, 71%, 32%
XYZ	3.9778, 2.5180, 1.1430
YIQ	41.3420, 34.5680, 12.2960

Conversions

Conversions Part 2

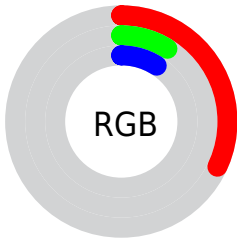
Format	Color
R_{YB}	82, 24, 24
Decimal	5380120
CIE Lab	18.00, 27.04, 14.83
CIE LCh	18, 30.843, 28.738
Yxy	2.5180, 0.5207, 0.3296
Android (android.graphics.Color)	4283570200 (0xFF521818)
YUV	41.3420, -8.5496, 35.6571
Hunter-Lab	15.8683, 16.9762, 6.8373

Details

The CIELCh color **18, 30.843, 28.738** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **31, 18.966, 196.806**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 30.960, 28.707**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.373, 31.138**, and if you desaturate by 10%, it is **20, 25.995, 26.323**.

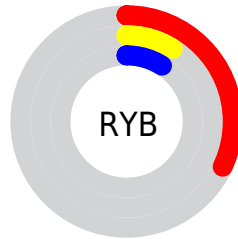
Distribution



Red (32%)

Green (9%)

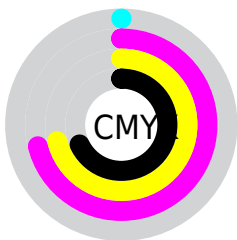
Blue (9%)



Red (32%)

Yellow (9%)

Blue (9%)

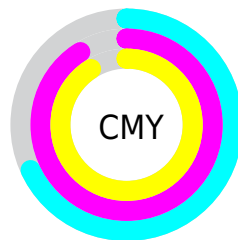


Cyan (0%)

Magenta (71%)

Yellow (71%)

Black (68%)



Cyan (68%)

Magenta (91%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 30.843, 28.738 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, 30.843, 28.738 by changing the saturation by 10% instead.

 18, 30.843, 28.738

 18, 30.843, 28.738

 100, 30.843,
28.738

 8, 30.843, 28.738

 38, 30.843, 28.738

 0, 30.843, 28.738

 48, 30.843, 28.738

 58, 30.843, 28.738

 68, 30.843, 28.738

 78, 30.843, 28.738

 88, 30.843, 28.738

 98, 30.843, 28.738

■ 18, 30.843, 28.738

■ 18, 30.843, 28.738

■ 17, 35.373, 31.138

■ 20, 25.995, 26.323

■ 15, 38.764, 32.162

■ 22, 21.179, 24.391

■ 14, 41.713, 32.584

■ 24, 16.503, 22.871

■ 27, 12.044, 21.680

■ 29, 7.841, 20.739

■ 32, 3.910, 19.970

■ 35, 0.247, 18.285

■ 37, 3.164, 199.091

■ 40, 6.342, 198.669

Harmonies

Complementary

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



18, 30.843, 28.738



31, 18.966, 196.806

Rectangle

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



18, 30.843, 28.738



18, 30.843, 78.738



18, 30.843, 208.738



18, 30.843, 258.738

Sweetspot

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



18, 30.842, 28.741



38, 9.950, 20.827



20, 41.516, 327.597



18, 6.690, 20.954



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, 30.842, 28.741



22, 46.685, 33.936



25, 25.130, 67.258



15, 2.019, 19.827



20, 51.593, 36.282



48, 97.373, 40.002

Inverse Universe

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



31, 18.966, 196.806



41, 25.247, 196.544



21, 20.882, 269.486



16, 1.921, 199.085



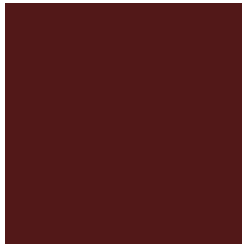
40, 26.014, 196.415



84, 46.651, 196.417

Previews

White Background



This preview shows how the CIELCh color 18, 30.843, 28.738 looks on a white background.

Color Contrast Check

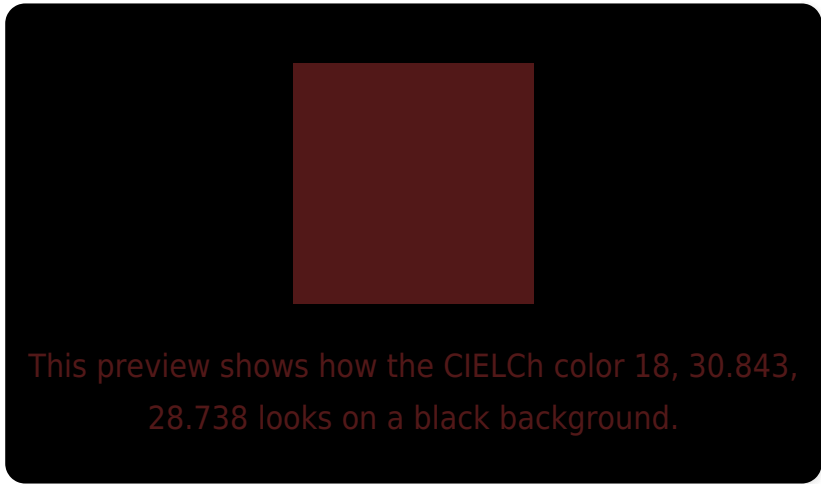
Large Text (above 18pt) WCAG AA ✓ Pass

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

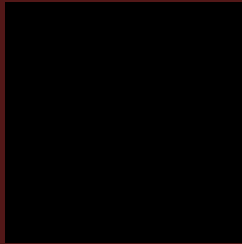
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 30.843, 28.738

Background



This preview shows how black text looks on a background with the CIELCh color 18, 30.843, 28.738.

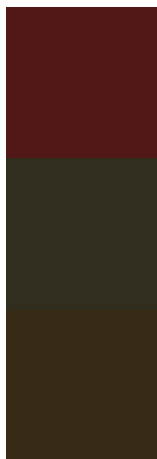


This preview shows how white text looks on a background with the CIELCh color 18, 30.843, 28.738.

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, 30.843, 28.738

Protanopia

19, 9.641, 98.497

Deuteranopia

18, 16.705, 80.767



Tritanopia
18, 30.591, 27.573

Trichromacy



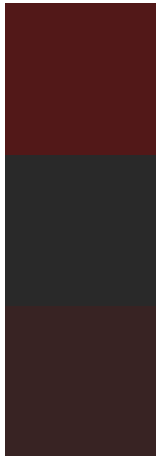
Original Color
18, 30.843, 28.738

Protanomaly
18, 14.141, 47.318

Deuteranomaly
18, 19.401, 51.258

Tritanomaly
18, 30.591, 27.573

Monochromacy



Original Color
18, 30.843, 28.738

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 10.859, 22.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 30.843, 28.738 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(82, 24, 24)` looks like.

```
.text, #text, p{  
    color:rgb(82, 24, 24)  
}
```

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(82, 24, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 24, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 30.843, 28.738 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(82, 24, 24) }
```

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

```
.border{ border-color:rgb(82, 24, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 24, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 24, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 24, 24);  
box-shadow:4px 4px 4px 4px rgb(82, 24, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 30.843, 28.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 24, 24) }
```

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

```
.background{ background-color: rgb(82, 24,  
24) }
```

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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