

Converting Colors

CIELCh(18, 23.896, 3.641)

Have a look what the booklet for
CIELCh(18, 23.896, 3.641) contains.

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Color

CIELCh(18, 24.070, 2.651)

Conversions

Conversions Part 1

Format	Color
Hex	4B1C2B
RGB	75, 28, 43
RGB Percent	29%, 11%, 17%
CMY	0.7051, 0.8895, 0.8307
CMYK	0.00, 0.63, 0.43, 0.71
HSL	341°, 45%, 20%
HSV	341°, 63%, 29%
XYZ	3.7752, 2.5180, 2.5885
YIQ	43.7630, 23.1970, 14.6290

Conversions

Conversions Part 2

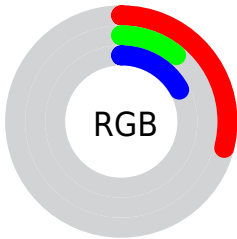
Format	Color
RYB	75, 28, 43
Decimal	4922411
CIELab	18.00, 24.04, 1.11
CIElCh	18, 24.070, 2.651
Yxy	2.5180, 0.4251, 0.2835
Android (android.graphics.Color)	4283112491 (0xFF4B1C2B)
YUV	43.7630, -0.3762, 27.3948
Hunter-Lab	15.8683, 14.6964, 1.4364

Details

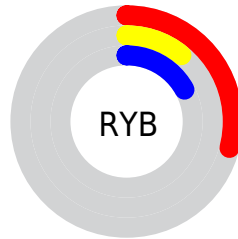
The CIELCh color **18, 24.070, 2.651** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 20.652, 168.352**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.045, 2.978**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **16, 27.498, 4.983**, and if you desaturate by 10%, it is **20, 20.323, 0.753**.

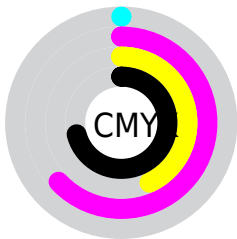
Distribution



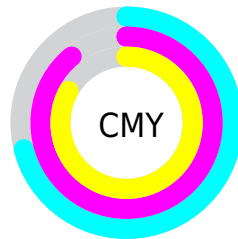
- Red (29%)
- Green (11%)
- Blue (17%)



- Red (29%)
- Yellow (11%)
- Blue (17%)



- Cyan (0%)
- Magenta (63%)
- Yellow (43%)
- Black (71%)



- Cyan (71%)
- Magenta (89%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.070, 2.651 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, 24.070, 2.651 by changing the saturation by 10% instead.

 18, 24.070, 2.651  18, 24.070, 2.651

 100, 24.070, 2.651  8, 24.070, 2.651

 38, 24.070, 2.651  0, 24.070, 2.651

 48, 24.070, 2.651

 58, 24.070, 2.651

 68, 24.070, 2.651

 78, 24.070, 2.651

 88, 24.070, 2.651

 98, 24.070, 2.651

 18, 24.070, 2.651  18, 24.070, 2.651

16, 27.498, 4.983

20, 20.323, 0.753

15, 30.467, 7.866

22, 16.406,
359.179

14, 33.048, 11.198

24, 12.436,
357.851

13, 35.200, 13.383

27, 8.498, 356.709

29, 4.649, 355.699

31, 0.922, 354.624

34, 2.666, 174.187

36, 6.111, 173.436

39, 9.414, 172.785

Harmonies

Complementary

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



18, 24.070, 2.651



28, 20.652, 168.352

Rectangle

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



18, 24.070, 2.651



18, 24.070, 52.651



18, 24.070, 182.651



18, 24.070, 232.651

Sweetspot

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



18, 24.069, 2.653



35, 8.804, 356.412



17, 33.831, 316.977



16, 5.991, 356.564



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, 24.069, 2.653



22, 34.652, 6.408



19, 22.235, 37.586



14, 2.087, 355.329



20, 43.755, 15.935



49, 80.622, 20.267

Inverse Universe

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



18, 24.069, 2.653



22, 34.652, 6.408



26, 14.262, 218.746



14, 2.087, 355.329



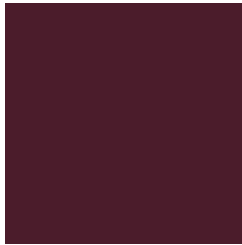
20, 43.755, 15.935



49, 80.622, 20.267

Previews

White Background



This preview shows how the CIELCh color 18, 24.070, 2.651 looks on a white background.

Color Contrast Check

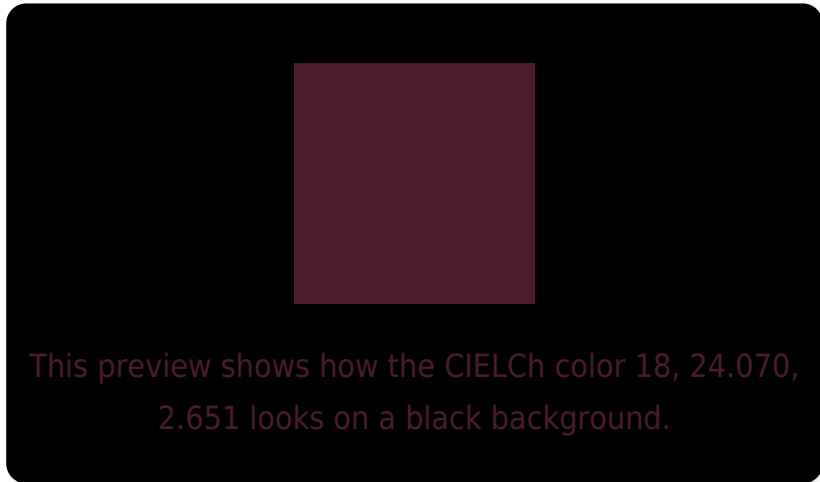
Large Text (above 18pt) WCAG AA ✓ Pass

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

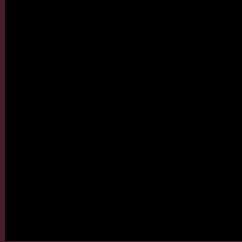
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.070, 2.651

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.070, 2.651.



This preview shows how white text looks on a background with the CIELCh color 18, 24.070, 2.651.

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, 24.070, 2.651

Protanopia

19, 5.511, 286.929

Deuteranopia

18, 4.196, 39.173



Tritanopia
18, 22.899, 22.605

Trichromacy



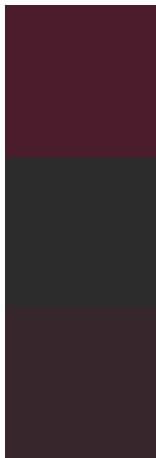
Original Color
18, 24.070, 2.651

Protanomaly
18, 10.177, 339.403

Deuteranomaly
18, 11.207, 8.216

Tritanomaly
18, 22.925, 14.672

Monochromacy



Original Color
18, 24.070, 2.651

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 9.203, 355.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.070, 2.651 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(75, 28, 43)` looks like.

```
.text, #text, p{  
    color:rgb(75, 28, 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(75, 28, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 28, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.070, 2.651 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(75, 28, 43) }
```

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

```
.border{ border-color:rgb(75, 28, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 28, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 28, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 28, 43);  
box-shadow:4px 4px 4px 4px rgb(75, 28, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.070, 2.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 28, 43) }
```

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

```
.background{ background-color: rgb(75, 28,  
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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