

Converting Colors

CIELCh(18, 23.482, 24.086)

Have a look what the booklet for
CIELCh(18, 23.482, 24.086) contains.

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Color

CIELCh(18, 23.576, 24.419)

Conversions

Conversions Part 1

Format	Color
Hex	4B1E1F
RGB	75, 30, 31
RGB Percent	29%, 12%, 12%
CMY	0.7061, 0.8825, 0.8786
CMYK	0.00, 0.60, 0.59, 0.71
HSL	359°, 43%, 21%
HSV	359°, 60%, 29%
XYZ	3.6066, 2.5180, 1.5889
YIQ	43.5690, 26.4990, 9.8510

Conversions

Conversions Part 2

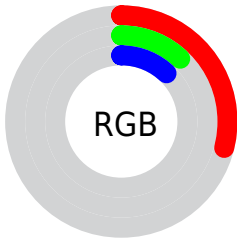
Format	Color
RYB	75, 30, 31
Decimal	4922911
CIELab	18.00, 21.47, 9.75
CIElCh	18, 23.576, 24.419
Yxy	2.5180, 0.4676, 0.3264
Android (android.graphics.Color)	4283112991 (0xFF4B1E1F)
YUV	43.5690, -6.1965, 27.5650
Hunter-Lab	15.8683, 12.8008, 5.1709

Details

The CIELCh color **18, 23.576, 24.419** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **29, 16.108, 194.695**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.587, 24.522**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **16, 27.981, 26.785**, and if you desaturate by 10%, it is **20, 19.193, 22.532**.

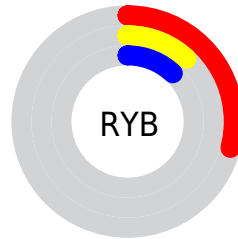
Distribution



Red (29%)

Green (12%)

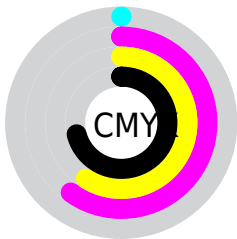
Blue (12%)



Red (29%)

Yellow (12%)

Blue (12%)

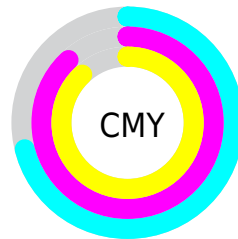


Cyan (0%)

Magenta (60%)

Yellow (59%)

Black (71%)



Cyan (71%)

Magenta (88%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.576, 24.419 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, 23.576, 24.419 by changing the saturation by 10% instead.

 18, 23.576, 24.419

 18, 23.576, 24.419

 100, 23.576,
24.419

 8, 23.576, 24.419

 38, 23.576, 24.419

 0, 23.576, 24.419

 48, 23.576, 24.419

 58, 23.576, 24.419

 68, 23.576, 24.419

 78, 23.576, 24.419

 88, 23.576, 24.419

 98, 23.576, 24.419

■ 18, 23.576, 24.419

■ 18, 23.576, 24.419

■ 16, 27.981, 26.785

■ 20, 19.193, 22.532

■ 15, 32.082, 29.007

■ 22, 14.932, 21.033

■ 14, 35.241, 29.888

■ 24, 10.858, 19.843

■ 13, 38.220, 29.945

■ 27, 7.006, 18.888

■ 29, 3.391, 18.092

■ 32, 0.013, 355.683

■ 34, 3.145, 197.145

■ 37, 6.095, 196.688

■ 40, 8.858, 196.327

Harmonies

Complementary

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



18, 23.576, 24.419



29, 16.108, 194.695

Rectangle

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



18, 23.576, 24.419



18, 23.576, 74.419



18, 23.576, 204.419



18, 23.576, 254.419

Sweetspot

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



18, 23.575, 24.422



36, 7.752, 18.772



20, 33.716, 326.190



16, 5.342, 18.907



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, 23.575, 24.422



22, 35.787, 28.054



24, 19.301, 65.353



14, 1.910, 17.989



19, 50.025, 35.086



48, 95.650, 39.304

Inverse Universe

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



18, 23.575, 24.422



22, 35.787, 28.054



22, 15.910, 262.197



14, 1.910, 17.989



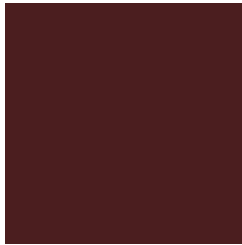
19, 50.025, 35.086



48, 95.650, 39.304

Previews

White Background



This preview shows how the CIELCh color 18, 23.576, 24.419 looks on a white background.

Color Contrast Check

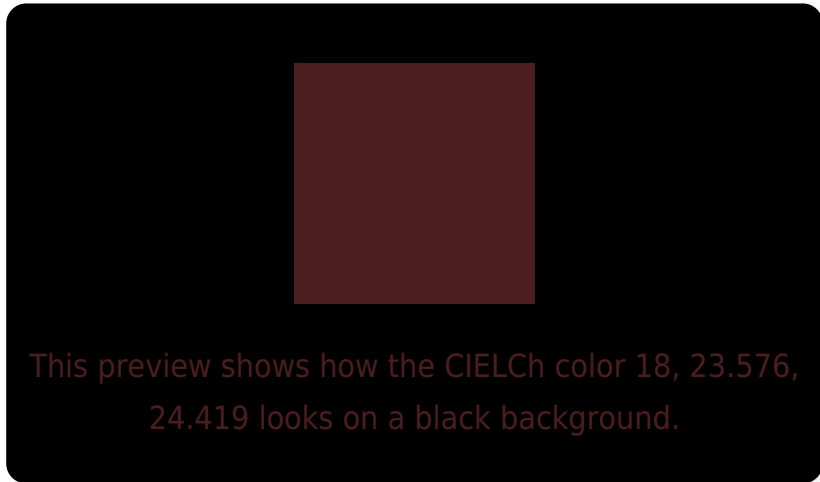
Large Text (above 18pt) WCAG AA ✓ Pass

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

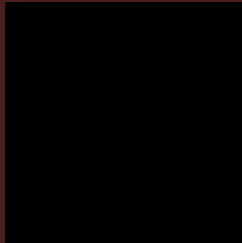
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.576, 24.419

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.576, 24.419.



This preview shows how white text looks on a background with the CIELCh color 18, 23.576, 24.419.

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, 23.576, 24.419

Protanopia

19, 5.677, 93.361

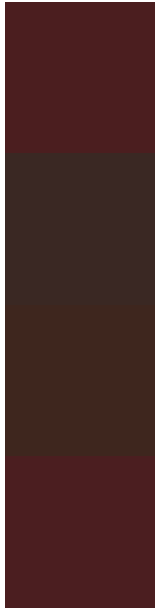
Deuteranopia

18, 11.339, 76.484



Tritanopia
18, 23.403, 22.821

Trichromacy



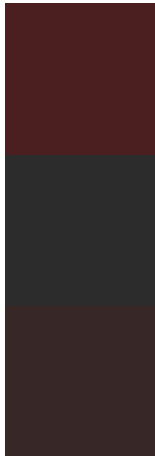
Original Color
18, 23.576, 24.419

Protanomaly
18, 10.078, 41.006

Deuteranomaly
18, 14.262, 44.280

Tritanomaly
18, 23.403, 22.821

Monochromacy



Original Color
18, 23.576, 24.419

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.075, 21.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.576, 24.419 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, 30, 31)` looks like.

```
.text, #text, p{  
    color:rgb(75, 30, 31)  
}
```

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, 30, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 30, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.576, 24.419 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, 30, 31) }
```

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

```
.border{ border-color:rgb(75, 30, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 30, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 30, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 30, 31);  
box-shadow:4px 4px 4px 4px rgb(75, 30, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.576, 24.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 30, 31) }
```

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

```
.background{ background-color: rgb(75, 30,  
31) }
```

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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