

Converting Colors

CIELCh(18, 26.487, 1.485)

Have a look what the booklet for
CIELCh(18, 26.487, 1.485) contains.

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Color

CIELCh(18, 26.449, 1.583)

Conversions

Conversions Part 1

Format	Color
Hex	4E1A2C
RGB	78, 26, 44
RGB Percent	31%, 10%, 17%
CMY	0.6951, 0.8989, 0.8283
CMYK	0.00, 0.67, 0.44, 0.70
HSL	339°, 50%, 20%
HSV	339°, 67%, 30%
XYZ	3.9364, 2.5180, 2.6405
YIQ	43.6000, 25.2140, 16.6220

Conversions

Conversions Part 2

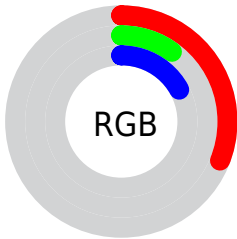
Format	Color
RYB	78, 26, 44
Decimal	5118508
CIELab	18.00, 26.44, 0.73
CIELCh	18, 26.449, 1.583
Yxy	2.5180, 0.4328, 0.2769
Android (android.graphics.Color)	4283308588 (0xFF4E1A2C)
YUV	43.6000, 0.1972, 30.1688
Hunter-Lab	15.8683, 16.5099, 1.2421

Details

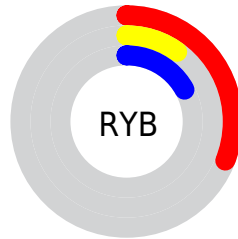
The CIELCh color **18, 26.449, 1.583** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **29, 22.957, 165.818**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 26.342, 2.595**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **16, 29.708, 4.072**, and if you desaturate by 10%, it is **20, 22.759, 359.565**.

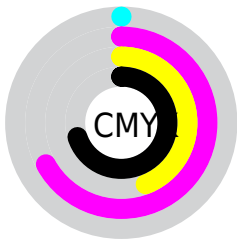
Distribution



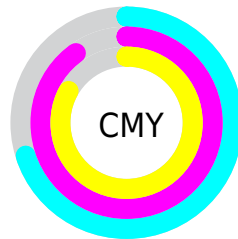
- Red (31%)
- Green (10%)
- Blue (17%)



- Red (31%)
- Yellow (10%)
- Blue (17%)



- Cyan (0%)
- Magenta (67%)
- Yellow (44%)
- Black (70%)



- Cyan (70%)
- Magenta (90%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 26.449, 1.583 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, 26.449, 1.583 by changing the saturation by 10% instead.

 18, 26.449, 1.583  18, 26.449, 1.583

 100, 26.449, 1.583  8, 26.449, 1.583

 38, 26.449, 1.583  0, 26.449, 1.583

 48, 26.449, 1.583

 58, 26.449, 1.583

 68, 26.449, 1.583

 78, 26.449, 1.583

 88, 26.449, 1.583

 98, 26.449, 1.583

 18, 26.449, 1.583  18, 26.449, 1.583

16, 29.708, 4.072

20, 22.759,
359.565

15, 32.396, 7.158

22, 18.802,
357.900

14, 34.953, 10.349

14, 35.848, 11.241

24, 14.718,
356.503

26, 10.616,
355.306

29, 6.571, 354.259

31, 2.629, 353.294

34, 1.182, 172.768

36, 4.852, 171.886

39, 8.379, 171.200

Harmonies

Complementary

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



18, 26.449, 1.583



29, 22.957, 165.818

Rectangle

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



18, 26.449, 1.583



18, 26.449, 51.583



18, 26.449, 181.583



18, 26.449, 231.583

Sweetspot

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



18, 26.447, 1.585



37, 9.818, 354.653



17, 36.948, 316.580



17, 6.628, 354.805



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 26.447, 1.585



22, 37.926, 5.895



19, 25.069, 36.816



14, 2.119, 353.467



20, 43.437, 13.416



49, 79.684, 17.657

Inverse Universe

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



18, 26.447, 1.585



22, 37.926, 5.895



27, 15.403, 216.756



14, 2.119, 353.467



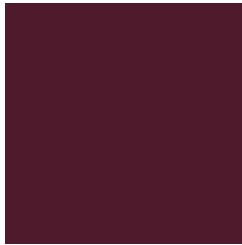
20, 43.437, 13.416



49, 79.684, 17.657

Previews

White Background



This preview shows how the CIE LCh color 18, 26.449, 1.583 looks on a white background.

Color Contrast Check

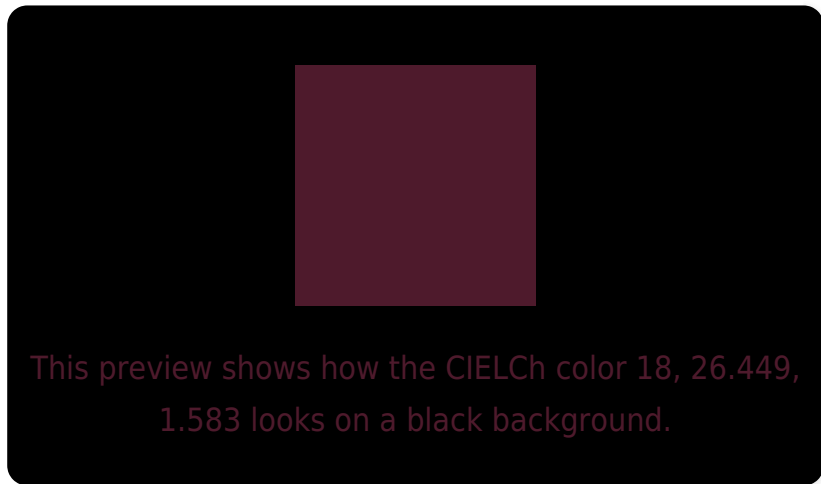
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.449, 1.583

Background



This preview shows how black text looks on a background with the CIELCh color 18, 26.449, 1.583.



This preview shows how white text looks on a background with the CIELCh color 18, 26.449, 1.583.

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, 26.449, 1.583

Protanopia

19, 6.911, 284.664

Deuteranopia

19, 4.034, 50.475



Tritanopia
18, 25.178, 25.082

Trichromacy



Original Color
18, 26.449, 1.583

Protanomaly
18, 12.205, 335.314

Deuteranomaly
18, 12.308, 6.590

Tritanomaly
18, 24.892, 16.393

Monochromacy



Original Color
18, 26.449, 1.583

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 10.124, 358.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 26.449, 1.583 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(78, 26, 44)` looks like.

```
.text, #text, p{  
    color:rgb(78, 26, 44)  
}
```

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(78, 26, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 26, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 26.449, 1.583 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(78, 26, 44) }
```

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

```
.border{ border-color:rgb(78, 26, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 26, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 26, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 26, 44);  
box-shadow:4px 4px 4px 4px rgb(78, 26, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 26.449, 1.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 26, 44) }
```

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

```
.background{ background-color: rgb(78, 26,  
44) }
```

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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