

Converting Colors

CIELCh(26, 50.796, 15.973)

Have a look what the booklet for
CIELCh(26, 50.796, 15.973) contains.

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Color

CIELCh(26, 50.778, 15.903)

Conversions

Conversions Part 1

Format	Color
Hex	7F022B
RGB	127, 2, 43
RGB Percent	50%, 1%, 17%
CMY	0.5014, 0.9912, 0.8310
CMYK	0.00, 0.98, 0.66, 0.50
HSL	340°, 97%, 25%
HSV	340°, 98%, 50%
XYZ	9.2357, 4.7465, 2.7248
YIQ	44.0490, 61.3390, 39.2510

Conversions

Conversions Part 2

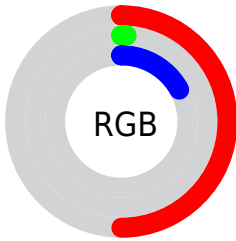
Format	Color
RYB	127, 2, 43
Decimal	8323627
CIELab	26.00, 48.83, 13.91
CIELCh	26, 50.778, 15.903
Yxy	4.7465, 0.5528, 0.2841
Android (android.graphics.Color)	4286513707 (0xFF7F022B)
YUV	44.0490, -0.5172, 72.7480
Hunter-Lab	21.7865, 37.5432, 7.8351

Details

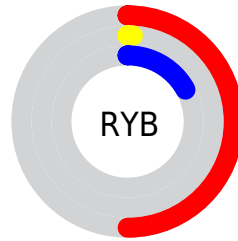
The CIELCh color **26, 50.778, 15.903** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **47, 42.646, 160.858**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 50.648, 15.762**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **26, 51.319, 16.664**, and if you desaturate by 10%, it is **27, 47.921, 11.411**.

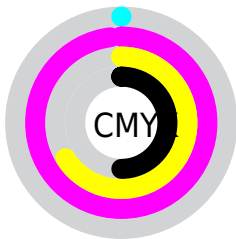
Distribution



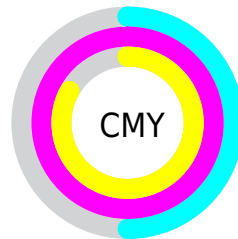
- Red (50%)
- Green (1%)
- Blue (17%)



- Red (50%)
- Yellow (1%)
- Blue (17%)



- Cyan (0%)
- Magenta (98%)
- Yellow (66%)
- Black (50%)



- Cyan (50%)
- Magenta (99%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 50.778, 15.903 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 26, 50.778, 15.903 by changing the saturation by 10% instead.

 26, 50.778, 15.903

 26, 50.778, 15.903

 100, 50.778,
15.903

 16, 50.778, 15.903

 46, 50.778, 15.903

 6, 50.778, 15.903

 56, 50.778, 15.903

 0, 50.778, 15.903

 66, 50.778, 15.903

 76, 50.778, 15.903

 86, 50.778, 15.903

 96, 50.778, 15.903

 26, 50.778, 15.903

 26, 50.778, 15.903

26, 51.319, 16.664

27, 47.921, 11.411

29, 44.397, 7.532

31, 39.917, 4.436

33, 34.652, 1.970

36, 28.862,
359.985

39, 22.798,
358.356

43, 16.665,
356.991

46, 10.605,
355.820

50, 4.705, 354.775

Harmonies

Complementary

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



26, 50.778, 15.903



47, 42.646, 160.858

Rectangle

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



26, 50.778, 15.903



26, 50.778, 65.903



26, 50.778, 195.903



26, 50.778, 245.903

Sweetspot

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



26, 50.776, 15.905



55, 21.300, 357.176



22, 71.137, 316.701



27, 14.789, 357.655



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



26, 50.776, 15.905



35, 62.623, 18.118



27, 57.541, 42.030



25, 3.233, 354.864



26, 51.427, 16.682



0, 0.000, 0.000

Inverse Universe

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



26, 50.776, 15.905



35, 62.623, 18.118



41, 25.873, 226.697



25, 3.233, 354.864



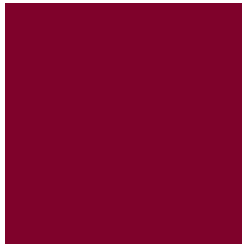
26, 51.427, 16.682



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 50.778, 15.903 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



This preview shows how the CIE LCh color 26, 50.778, 15.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

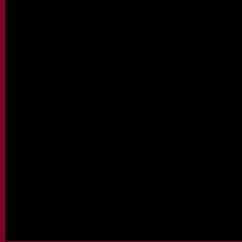
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 50.778, 15.903

Background



This preview shows how black text looks on a background with the CIELCh color 26, 50.778, 15.903.



This preview shows how white text looks on a background with the CIELCh color 26, 50.778, 15.903.

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

26, 50.778, 15.903

Protanopia

28, 1.570, 74.676

Deuteranopia

27, 18.496, 78.532



Tritanopia
26, 54.848, 36.009

Trichromacy



Original Color
26, 50.778, 15.903

Protanomaly
24, 23.371, 2.563

Deuteranomaly
24, 29.075, 27.400

Tritanomaly
26, 52.691, 29.572

Monochromacy



Original Color
26, 50.778, 15.903

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 23.216, 1.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 50.778, 15.903 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(127, 2, 43)` looks like.

```
.text, #text, p{  
    color:rgb(127, 2, 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(127, 2, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 2, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 50.778, 15.903 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(127, 2, 43) }
```

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

```
.border{ border-color:rgb(127, 2, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 2, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 2, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 2, 43);  
box-shadow:4px 4px 4px 4px rgb(127, 2, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 50.778, 15.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 2, 43) }
```

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

```
.background{ background-color: rgb(127, 2,  
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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