

Converting Colors

CIELCh(26, 51.942, 19.125)

Have a look what the booklet for
CIELCh(26, 51.942, 19.125) contains.

CIELCh(26, 51.852, 18.900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(26, 51.852, 18.900)

Conversions

Conversions Part 1

Format	Color
Hex	800127
RGB	128, 1, 39
RGB Percent	50%, 0%, 15%
CMY	0.4984, 0.9966, 0.8473
CMYK	0.00, 0.99, 0.70, 0.50
HSL	342°, 99%, 25%
HSV	342°, 99%, 50%
XYZ	9.2625, 4.7465, 2.3416
YIQ	43.3050, 63.4940, 38.7420

Conversions

Conversions Part 2

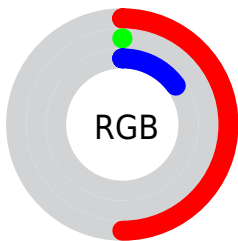
Format	Color
RYB	128, 1, 39
Decimal	8388903
CIELab	26.00, 49.06, 16.80
CIELCh	26, 51.852, 18.900
Yxy	4.7465, 0.5665, 0.2903
Android (android.graphics.Color)	4286578983 (0xFF800127)
YUV	43.3050, -2.1224, 74.2775
Hunter-Lab	21.7865, 37.7625, 8.8780

Details

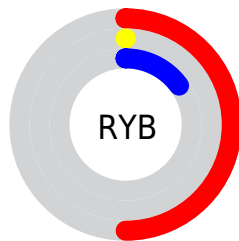
The CIELCh color **26, 51.852, 18.900** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **47, 41.694, 162.739**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 51.814, 18.687**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **26, 52.079, 19.196**, and if you desaturate by 10%, it is **27, 48.720, 14.301**.

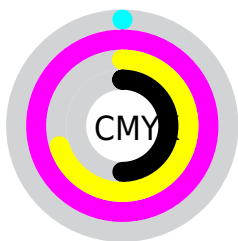
Distribution



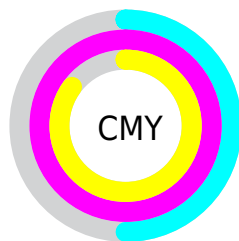
- Red (50%)
- Green (0%)
- Blue (15%)



- Red (50%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 51.852, 18.900 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, 51.852, 18.900 by changing the saturation by 10% instead.

 26, 51.852, 18.900

 26, 51.852, 18.900

 100, 51.852,
18.900

 16, 51.852, 18.900

 46, 51.852, 18.900

 6, 51.852, 18.900

 56, 51.852, 18.900

 0, 51.852, 18.900

 66, 51.852, 18.900

 76, 51.852, 18.900

 86, 51.852, 18.900

 96, 51.852, 18.900

 26, 51.852, 18.900

 26, 51.852, 18.900

■ 26, 52.079, 19.196

■ 27, 48.720, 14.301

■ 28, 45.086, 10.198

■ 30, 40.547, 6.905

■ 33, 35.248, 4.285

■ 36, 29.436, 2.184

■ 39, 23.360, 0.472

■ 43, 17.223,
359.049

■ 46, 11.170,
357.837

■ 50, 5.289, 356.769

Harmonies

Complementary

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



26, 51.852, 18.900



47, 41.694, 162.739

Rectangle

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



26, 51.852, 18.900



26, 51.852, 68.900



26, 51.852, 198.900



26, 51.852, 248.900

Sweetspot

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



26, 51.850, 18.902



54, 21.820, 359.229



23, 71.434, 317.674



26, 15.070, 359.718



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, 51.850, 18.902



35, 63.358, 20.634



28, 57.667, 43.379



25, 3.187, 356.745



26, 51.955, 19.176



0, 0.000, 0.000

Inverse Universe

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



26, 51.850, 18.902



35, 63.358, 20.634



40, 26.212, 234.027



25, 3.187, 356.745



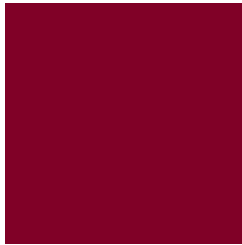
26, 51.955, 19.176



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 51.852, 18.900 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, 51.852, 18.900 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, 51.852, 18.900

Background



This preview shows how black text looks on a background with the CIELCh color 26, 51.852, 18.900.



This preview shows how white text looks on a background with the CIELCh color 26, 51.852, 18.900.

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, 51.852, 18.900

Protanopia

28, 4.728, 92.086

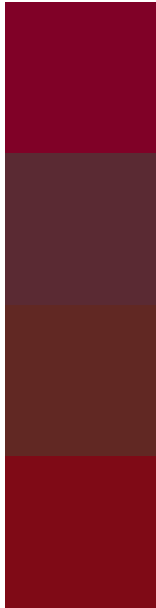
Deuteranopia

27, 21.011, 79.748



Tritanopia
26, 55.965, 36.697

Trichromacy



Original Color
26, 51.852, 18.900

Protanomaly
24, 23.505, 10.983

Deuteranomaly
24, 30.043, 32.038

Tritanomaly
26, 54.195, 31.118

Monochromacy



Original Color
26, 51.852, 18.900

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 23.559, 3.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 51.852, 18.900 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(128, 1, 39)` looks like.

```
.text, #text, p{  
    color:rgb(128, 1, 39)  
}
```

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(128, 1, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 1, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 51.852, 18.900 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(128, 1, 39) }
```

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

```
.border{ border-color:rgb(128, 1, 39) }
```

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

Here you see how a box with a 4 pixel rgb(128, 1, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 1, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 1, 39);  
box-shadow:4px 4px 4px 4px rgb(128, 1, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 51.852, 18.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 1, 39) }
```

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

```
.background{ background-color: rgb(128, 1,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor