

Converting Colors

CIELCh(26, 51.610, 16.839)

Have a look what the booklet for
CIELCh(26, 51.610, 16.839) contains.

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Color

CIELCh(26, 51.560, 16.616)

Conversions

Conversions Part 1

Format	Color
Hex	80002A
RGB	128, 0, 42
RGB Percent	50%, 0%, 16%
CMY	0.4984, 1.0000, 0.8355
CMYK	0.00, 1.00, 0.67, 0.50
HSL	340°, 100%, 25%
HSV	340°, 100%, 50%
XYZ	9.3049, 4.7465, 2.6105
YIQ	43.0600, 62.8060, 40.1980

Conversions

Conversions Part 2

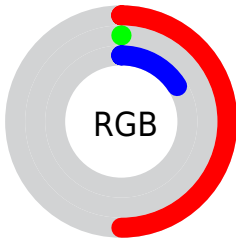
Format	Color
RYB	128, 0, 42
Decimal	8388650
CIELab	26.00, 49.41, 14.74
CIElCh	26, 51.560, 16.616
Yxy	4.7465, 0.5585, 0.2849
Android (android.graphics.Color)	4286578730 (0xFF80002A)
YUV	43.0600, -0.5226, 74.4924
Hunter-Lab	21.7865, 38.1099, 8.1464

Details

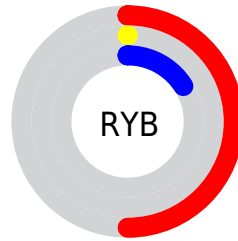
The CIELCh color **26, 51.560, 16.616** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **47, 43.314, 160.464**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 51.516, 16.764**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **26, 51.539, 16.636**, and if you desaturate by 10%, it is **27, 48.665, 12.147**.

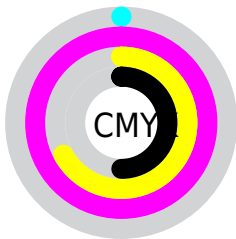
Distribution



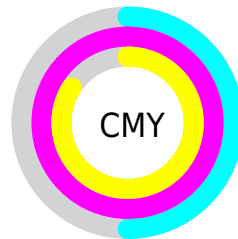
- Red (50%)
- Green (0%)
- Blue (16%)



- Red (50%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 51.560, 16.616 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, 51.560, 16.616 by changing the saturation by 10% instead.

 26, 51.560, 16.616

 26, 51.560, 16.616

 100, 51.560,
16.616

 16, 51.560, 16.616

 46, 51.560, 16.616

 6, 51.560, 16.616

 56, 51.560, 16.616

 0, 51.560, 16.616

 66, 51.560, 16.616

 76, 51.560, 16.616

 86, 51.560, 16.616

 96, 51.560, 16.616

 26, 51.560, 16.616

 26, 51.560, 16.616

■ 26, 51.539, 16.636

■ 27, 48.665, 12.147

■ 28, 45.307, 8.114

■ 30, 40.973, 4.888

■ 33, 35.809, 2.321

■ 36, 30.065, 0.260

■ 39, 24.004,
358.575

■ 42, 17.840,
357.169

■ 46, 11.727,
355.968

■ 50, 5.763, 354.908

Harmonies

Complementary

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



26, 51.560, 16.616



47, 43.314, 160.464

Rectangle

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



26, 51.560, 16.616



26, 51.560, 66.616



26, 51.560, 196.616



26, 51.560, 246.616

Sweetspot

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



26, 51.539, 16.636



54, 22.067, 357.259



22, 72.114, 316.642



26, 15.231, 357.737



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, 51.539, 16.636



35, 62.606, 18.051



27, 58.722, 42.239



25, 3.234, 354.815



26, 51.414, 16.616



0, 0.000, 0.000

Inverse Universe

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



26, 51.539, 16.636



35, 62.606, 18.051



41, 26.105, 227.175



25, 3.234, 354.815



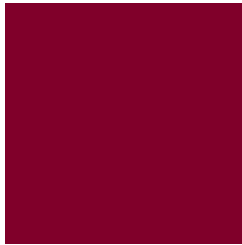
26, 51.414, 16.616



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 26, 51.560, 16.616 looks on a white background.

Color Contrast Check

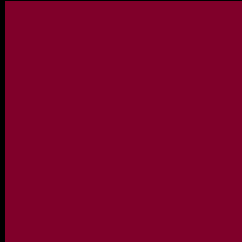
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.560, 16.616 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, 51.560, 16.616

Background



This preview shows how black text looks on a background with the CIELCh color 26, 51.560, 16.616.



This preview shows how white text looks on a background with the CIELCh color 26, 51.560, 16.616.

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, 51.560, 16.616

Protanopia

28, 2.135, 84.530

Deuteranopia

28, 19.330, 77.884



Tritanopia
27, 55.259, 36.059

Trichromacy



Original Color
26, 51.560, 16.616

Protanomaly
24, 23.833, 3.233

Deuteranomaly
24, 29.655, 27.603

Tritanomaly
26, 53.229, 29.531

Monochromacy



Original Color
26, 51.560, 16.616

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.219, 1.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 51.560, 16.616 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, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 42)  
}
```

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, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 51.560, 16.616 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, 0, 42) }
```

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

```
.border{ border-color:rgb(128, 0, 42) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(128, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 51.560, 16.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 42) }
```

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

```
.background{ background-color: rgb(128, 0,  
42) }
```

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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