

Converting Colors

CIELCh(26, 50.596, 9.892)

Have a look what the booklet for
CIELCh(26, 50.596, 9.892) contains.

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Color

CIELCh(26, 50.443, 9.709)

Conversions

Conversions Part 1

Format	Color
Hex	7F0033
RGB	127, 0, 51
RGB Percent	50%, 0%, 20%
CMY	0.5021, 1.0000, 0.8001
CMYK	0.00, 1.00, 0.60, 0.50
HSL	336°, 100%, 25%
HSV	336°, 100%, 50%
XYZ	9.3429, 4.7465, 3.5523
YIQ	43.7870, 59.3210, 42.7850

Conversions

Conversions Part 2

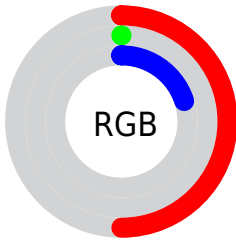
Format	Color
RYB	127, 0, 51
Decimal	8323123
CIELab	26.00, 49.72, 8.51
CIELCh	26, 50.443, 9.709
Yxy	4.7465, 0.5296, 0.2690
Android (android.graphics.Color)	4286513203 (0xFF7F0033)
YUV	43.7870, 3.5560, 72.9778
Hunter-Lab	21.7865, 38.4215, 5.5832

Details

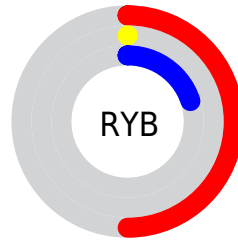
The CIELCh color **26, 50.443, 9.709** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 46.964, 155.478**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 50.286, 9.785**, and **12, 36.098, 27.425** is the 20% darker color. If you saturate the color by 10%, you get **26, 50.433, 9.717**, and if you desaturate by 10%, it is **27, 48.183, 5.651**.

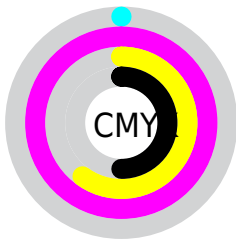
Distribution



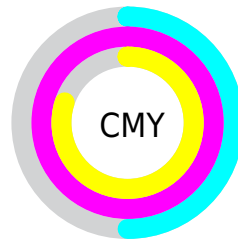
- Red (50%)
- Green (0%)
- Blue (20%)



- Red (50%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 50.443, 9.709 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, 50.443, 9.709 by changing the saturation by 10% instead.

 26, 50.443, 9.709

 26, 50.443, 9.709

 100, 50.443, 9.709

 16, 50.443, 9.709

 46, 50.443, 9.709

 6, 50.443, 9.709

 56, 50.443, 9.709

 0, 50.443, 9.709

 66, 50.443, 9.709

 76, 50.443, 9.709

 86, 50.443, 9.709

 96, 50.443, 9.709

 26, 50.443, 9.709

 26, 50.443, 9.709

 26, 50.433, 9.717

 27, 48.183, 5.651

■ 28, 45.305, 2.065

■ 30, 41.292,
359.214

■ 33, 36.318,
356.937

■ 36, 30.659,
355.092

■ 39, 24.594,
353.564

■ 42, 18.356,
352.270

■ 46, 12.112,
351.148

■ 49, 5.973, 350.144

Harmonies

Complementary

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



26, 50.443, 9.709



47, 46.964, 155.478

Rectangle

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



26, 50.443, 9.709



26, 50.443, 59.709



26, 50.443, 189.709



26, 50.443, 239.709

Sweetspot

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



26, 50.433, 9.717



54, 22.839, 352.356



20, 72.899, 314.308



26, 15.740, 352.798



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, 50.433, 9.717



35, 61.368, 11.061



26, 59.747, 39.977



25, 3.373, 350.056



26, 50.588, 9.741



0, 0.000, 0.000

Inverse Universe

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



26, 50.433, 9.717



35, 61.368, 11.061



44, 27.058, 210.396



25, 3.373, 350.056



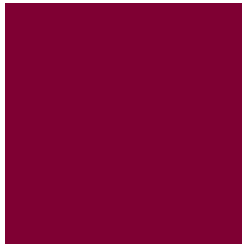
26, 50.588, 9.741



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 50.443, 9.709 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, 50.443, 9.709 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, 50.443, 9.709

Background



This preview shows how black text looks on a background with the CIELCh color 26, 50.443, 9.709.



This preview shows how white text looks on a background with the CIELCh color 26, 50.443, 9.709.

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, 50.443, 9.709

Protanopia

28, 5.847, 287.182

Deuteranopia

27, 13.211, 70.799



Tritanopia
27, 53.147, 34.752

Trichromacy



Original Color
26, 50.443, 9.709

Protanomaly
24, 25.447, 346.212

Deuteranomaly
24, 27.779, 14.679

Tritanomaly
26, 50.996, 25.926

Monochromacy



Original Color
26, 50.443, 9.709

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.283, 355.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 50.443, 9.709 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, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 51)  
}
```

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, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 50.443, 9.709 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, 0, 51) }
```

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

```
.border{ border-color:rgb(127, 0, 51) }
```

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

Here you see how a box with a 4 pixel rgb(127, 0, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(127, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 50.443, 9.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 51) }
```

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

```
.background{ background-color: rgb(127, 0,  
51) }
```

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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