

Converting Colors

CIELCh(26, 83.703, 313.793)

Have a look what the booklet for
CIELCh(26, 83.703, 313.793)
contains.

CIELCh(26, 83.548, 313.830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(26, 83.548, 313.830)

Conversions

Conversions Part 1

Format	Color
Hex	5B069C
RGB	91, 6, 156
RGB Percent	36%, 2%, 61%
CMY	0.6434, 0.9769, 0.3885
CMYK	0.42, 0.96, 0.00, 0.39
HSL	274°, 93%, 32%
HSV	274°, 96%, 61%
XYZ	10.3667, 4.7465, 31.7934
YIQ	48.5150, 2.5100, 64.6700

Conversions

Conversions Part 2

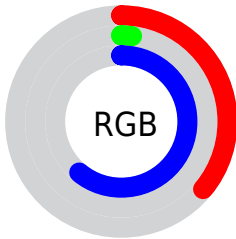
Format	Color
RYB	91, 6, 156
Decimal	5965468
CIELab	26.00, 57.86, -60.27
CIELCh	26, 83.548, 313.830
Yxy	4.7465, 0.2210, 0.1012
Android (android.graphics.Color)	4284155548 (0xFF5B069C)
YUV	48.5150, 52.9901, 37.2593
Hunter-Lab	21.7865, 46.8095, -71.2724

Details

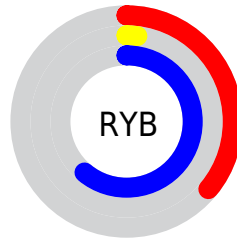
The CIELCh color **26, 83.548, 313.830** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **57, 75.692, 129.600**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 83.794, 313.850**, and **11, 66.381, 308.721** is the 20% darker color. If you saturate the color by 10%, you get **25, 85.085, 313.669**, and if you desaturate by 10%, it is **28, 79.058, 314.255**.

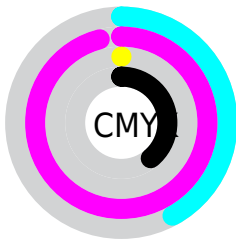
Distribution



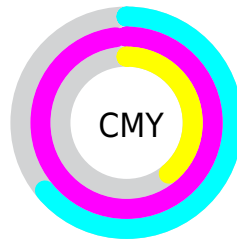
- Red (36%)
- Green (2%)
- Blue (61%)



- Red (36%)
- Yellow (2%)
- Blue (61%)



- Cyan (42%)
- Magenta (96%)
- Yellow (0%)
- Black (39%)





- Cyan (64%)
- Magenta (98%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 83.548, 313.830 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, 83.548, 313.830 by changing the saturation by 10% instead.

 26, 83.548,
313.830


 26, 83.548,
313.830

 100, 83.548,
313.830


 16, 83.548,
313.830


 46, 83.548,
313.830


 6, 83.548, 313.830

 56, 83.548,
313.830

 0, 83.548, 313.830

 66, 83.548,
313.830

 76, 83.548,
313.830

 86, 83.548,
313.830

 96, 83.548,

313.830

■ 26, 83.548,
313.830

■ 26, 83.548,
313.830

■ 25, 85.085,
313.669

■ 28, 79.058,
314.255

■ 31, 72.509,
314.356

■ 35, 64.331,
314.200

■ 39, 55.113,
313.876

■ 43, 45.337,
313.456

■ 47, 35.345,
312.990

■ 52, 25.360,
312.515

■ 57, 15.512,
312.051

■ 61, 5.879, 311.603

Harmonies

Complementary

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



26, 83.548, 313.830



57, 75.692, 129.600

Rectangle

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



26, 83.548, 313.830



26, 83.548, 3.830



26, 83.548, 133.830



26, 83.548, 183.830

Sweetspot

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



26, 83.548, 313.831



64, 34.663, 312.673



32, 53.883, 287.933



32, 24.059, 312.862



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



26, 83.548, 313.831



34, 103.049, 313.458



36, 75.343, 330.915



31, 5.420, 311.738



23, 79.728, 313.753



1, 6.966, 310.368

Inverse Universe

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



33, 57.717, 6.149



43, 70.746, 8.766



56, 80.619, 136.885



31, 4.117, 348.162



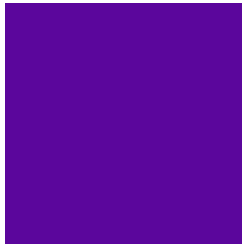
30, 54.827, 7.323



1, 5.241, 348.747

Previews

White Background



This preview shows how the CIELCh color 26, 83.548, 313.830 looks on a white background.

Color Contrast Check

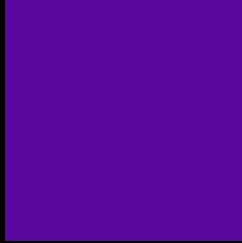
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 26, 83.548, 313.830 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, 83.548, 313.830

Background



This preview shows how black text looks on a background with the CIELCh color 26, 83.548, 313.830.



This preview shows how white text looks on a background with the CIELCh color 26, 83.548, 313.830.

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

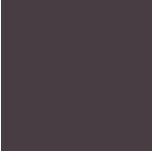
26, 83.548, 313.830

Protanopia

27, 44.515, 284.845

Deuteranopia

27, 31.111, 270.547



Tritanopia
27, 5.562, 344.680

Trichromacy



Original Color
26, 83.548, 313.830

Protanomaly
23, 63.199, 300.020

Deuteranomaly
23, 54.694, 298.099

Tritanomaly
24, 39.772, 316.046

Monochromacy



Original Color
26, 83.548, 313.830

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 37.641, 314.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 83.548, 313.830 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(91, 6, 156)` looks like.

```
.text, #text, p{  
    color:rgb(91, 6, 156)  
}
```

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(91, 6, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 6, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 83.548, 313.830 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(91, 6, 156) }
```

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

```
.border{ border-color:rgb(91, 6, 156) }
```

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

Here you see how a box with a 4 pixel rgb(91, 6, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 6, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 6, 156);  
box-shadow:4px 4px 4px 4px rgb(91, 6, 156)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 83.548, 313.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 6, 156) }
```

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

```
.background{ background-color: rgb(91, 6,  
156) }
```

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