

Converting Colors

CIELCh(26, 76.006, 319.174)

Have a look what the booklet for
CIELCh(26, 76.006, 319.174)
contains.

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Color

CIELCh(26, 75.532, 319.122)

Conversions

Conversions Part 1

Format	Color
Hex	68008B
RGB	104, 0, 139
RGB Percent	41%, 0%, 55%
CMY	0.5941, 1.0000, 0.4568
CMYK	0.25, 1.00, 0.00, 0.46
HSL	285°, 100%, 27%
HSV	285°, 100%, 54%
XYZ	10.2695, 4.7465, 24.6207
YIQ	46.9420, 17.3650, 65.2770

Conversions

Conversions Part 2

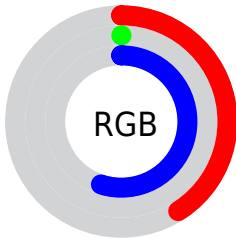
Format	Color
RYB	104, 0, 139
Decimal	6815883
CIELab	26.00, 57.11, -49.43
CIELCh	26, 75.532, 319.122
Yxy	4.7465, 0.2591, 0.1197
Android (android.graphics.Color)	4285005963 (0xFF68008B)
YUV	46.9420, 45.3846, 50.0399
Hunter-Lab	21.7865, 46.0135, -51.7527

Details

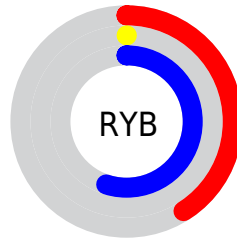
The CIELCh color **26, 75.532, 319.122** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **50, 73.764, 133.670**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 75.215, 319.298**, and **12, 56.244, 314.389** is the 20% darker color. If you saturate the color by 10%, you get **26, 75.356, 319.093**, and if you desaturate by 10%, it is **28, 72.175, 319.470**.

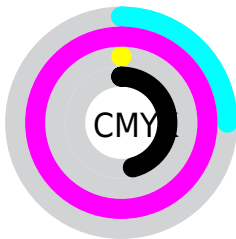
Distribution



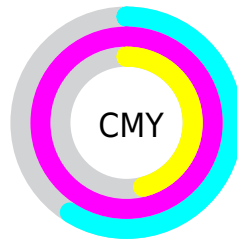
- Red (41%)
- Green (0%)
- Blue (55%)



- Red (41%)
- Yellow (0%)
- Blue (55%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)





- Cyan (59%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 75.532, 319.122 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, 75.532, 319.122 by changing the saturation by 10% instead.

 26, 75.532,
319.122


 26, 75.532,
319.122

 100, 75.532,
319.122


 16, 75.532,
319.122


 46, 75.532,
319.122


 6, 75.532, 319.122

 56, 75.532,
319.122

 0, 75.532, 319.122

 66, 75.532,
319.122

 76, 75.532,
319.122

 86, 75.532,
319.122

 96, 75.532,

319.122

■ 26, 75.532,
319.122

■ 26, 75.532,
319.122

■ 26, 75.356,
319.093

■ 28, 72.175,
319.470

■ 29, 67.667,
319.689

■ 32, 61.456,
319.689

■ 35, 53.933,
319.520

■ 38, 45.520,
319.233

■ 42, 36.580,
318.869

■ 46, 27.395,
318.462

■ 50, 18.159,
318.036

■ 54, 9.003, 317.605

Harmonies

Complementary

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



26, 75.532, 319.122



50, 73.764, 133.670

Rectangle

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



26, 75.532, 319.122



26, 75.532, 9.122



26, 75.532, 139.122



26, 75.532, 189.122

Sweetspot

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



26, 75.356, 319.093



59, 34.094, 318.490



21, 66.958, 299.144



29, 23.468, 318.644



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



26, 75.356, 319.093



35, 91.820, 318.911



31, 61.586, 339.908



27, 5.051, 317.568



25, 72.992, 319.127



0, 2.325, 317.207

Inverse Universe

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



28, 56.567, 23.773



38, 69.493, 25.150



50, 69.559, 139.764



27, 3.325, 0.089



27, 54.712, 23.513



0, 1.513, 359.314

Previews

White Background



This preview shows how the CIE LCh color 26, 75.532, 319.122 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, 75.532, 319.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

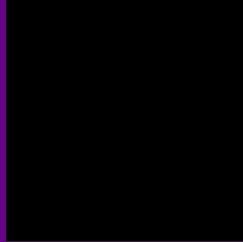
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 75.532, 319.122

Background



This preview shows how black text looks on a background with the CIELCh color 26, 75.532, 319.122.



This preview shows how white text looks on a background with the CIELCh color 26, 75.532, 319.122.

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, 75.532, 319.122

Protanopia

27, 45.045, 284.884

Deuteranopia

27, 32.749, 272.383



Tritanopia
27, 17.731, 14.775

Trichromacy



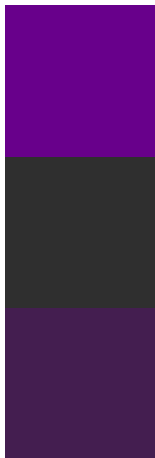
Original Color
26, 75.532, 319.122

Protanomaly
22, 61.463, 301.014

Deuteranomaly
22, 53.452, 299.125

Tritanomaly
25, 39.843, 332.401

Monochromacy



Original Color
26, 75.532, 319.122

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 35.872, 319.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 75.532, 319.122 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(104, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(104, 0, 139)  
}
```

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(104, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 75.532, 319.122 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(104, 0, 139) }
```

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

```
.border{ border-color:rgb(104, 0, 139) }
```

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

Here you see how a box with a 4 pixel rgb(104, 0, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(104, 0,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 75.532, 319.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 0, 139) }
```

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

```
.background{ background-color: rgb(104, 0,  
139) }
```

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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