

Converting Colors

CIELCh(26, 77.106, 318.139)

Have a look what the booklet for
CIELCh(26, 77.106, 318.139)
contains.

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Color

CIELCh(26, 77.106, 318.139)

Conversions

Conversions Part 1

Format	Color
Hex	66008E
RGB	102, 0, 142
RGB Percent	40%, 0%, 56%
CMY	0.6010, 1.0000, 0.4441
CMYK	0.28, 1.00, 0.00, 0.44
HSL	283°, 100%, 28%
HSV	283°, 100%, 56%
XYZ	10.3104, 4.7465, 25.8675
YIQ	46.6860, 15.2100, 65.7860

Conversions

Conversions Part 2

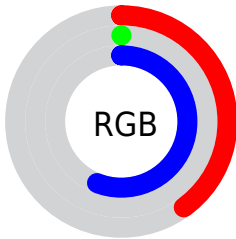
Format	Color
R_{YB}	102, 0, 142
Decimal	6684814
CIE _{Lab}	26.00, 57.43, -51.45
CIE _{LCh}	26, 77.106, 318.139
Yxy	4.7465, 0.2519, 0.1160
Android (android.graphics.Color)	4284874894 (0xFF66008E)
YUV	46.6860, 46.9898, 48.5104
Hunter-Lab	21.7865, 46.3487, -55.1455

Details

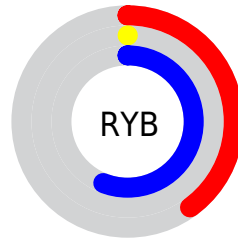
The CIELCh color **26, 77.106, 318.139** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **52, 74.573, 133.200**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 77.066, 318.131**, and **12, 57.660, 313.227** is the 20% darker color. If you saturate the color by 10%, you get **26, 77.016, 318.124**, and if you desaturate by 10%, it is **28, 73.702, 318.536**.

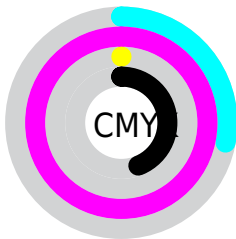
Distribution



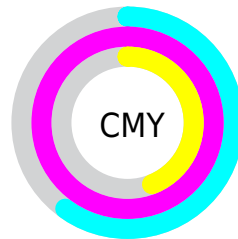
- Red (40%)
- Green (0%)
- Blue (56%)



- Red (40%)
- Yellow (0%)
- Blue (56%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (44%)





- Cyan (60%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 77.106, 318.139 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, 77.106, 318.139 by changing the saturation by 10% instead.

 26, 77.106,
318.139


 26, 77.106,
318.139

 100, 77.106,
318.139


 16, 77.106,
318.139


 46, 77.106,
318.139


 6, 77.106, 318.139

 56, 77.106,
318.139

 0, 77.106, 318.139

 66, 77.106,
318.139

 76, 77.106,
318.139

 86, 77.106,
318.139

 96, 77.106,

318.139

■ 26, 77.106,
318.139

■ 26, 77.106,
318.139

■ 26, 77.016,
318.124

■ 28, 73.702,
318.536

■ 30, 68.999,
318.775

■ 32, 62.563,
318.781

■ 35, 54.814,
318.610

■ 39, 46.194,
318.318

■ 43, 37.076,
317.950

■ 46, 27.738,
317.540

■ 51, 18.372,
317.114

■ 55, 9.103, 316.686

Harmonies

Complementary

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



26, 77.106, 318.139



52, 74.573, 133.200

Rectangle

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



26, 77.106, 318.139



26, 77.106, 8.139



26, 77.106, 138.139



26, 77.106, 188.139

Sweetspot

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



26, 77.016, 318.124



59, 34.266, 317.567



22, 66.651, 298.435



29, 23.327, 317.720



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, 77.016, 318.124



35, 93.259, 317.936



32, 63.351, 338.904



28, 5.166, 316.650



25, 74.376, 318.163



0, 3.459, 316.292

Inverse Universe

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



29, 56.713, 21.359



39, 69.114, 22.671



51, 71.483, 139.315



28, 3.475, 357.985



28, 54.700, 21.081



0, 2.304, 357.201

Previews

White Background



This preview shows how the CIELCh color 26, 77.106, 318.139 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, 77.106, 318.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

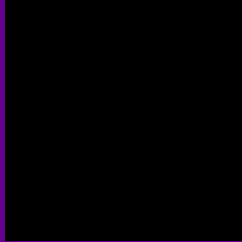
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 77.106, 318.139

Background



This preview shows how black text looks on a background with the CIELCh color 26, 77.106, 318.139.



This preview shows how white text looks on a background with the CIELCh color 26, 77.106, 318.139.

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, 77.106, 318.139

Protanopia

27, 45.045, 284.884

Deuteranopia

27, 32.749, 272.383



Tritanopia
27, 15.806, 10.956

Trichromacy



Original Color
26, 77.106, 318.139

Protanomaly
23, 62.662, 300.994

Deuteranomaly
22, 54.084, 299.025

Tritanomaly
25, 40.220, 328.969

Monochromacy



Original Color
26, 77.106, 318.139

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 36.365, 318.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 77.106, 318.139 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(102, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 142)  
}
```

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(102, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 77.106, 318.139 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(102, 0, 142) }
```

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

```
.border{ border-color:rgb(102, 0, 142) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 77.106, 318.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 142) }
```

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

```
.background{ background-color: rgb(102, 0,  
142) }
```

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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