

Converting Colors

CIELCh(26, 69.798, 313.427)

Have a look what the booklet for
CIELCh(26, 69.798, 313.427)
contains.

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Color

CIELCh(26, 69.712, 313.381)

Conversions

Conversions Part 1

Format	Color
Hex	571B8C
RGB	87, 27, 140
RGB Percent	34%, 11%, 55%
CMY	0.6575, 0.8927, 0.4497
CMYK	0.38, 0.81, 0.00, 0.45
HSL	272°, 67%, 33%
HSV	272°, 81%, 55%
XYZ	9.1213, 4.7465, 25.3769
YIQ	57.8220, -0.5130, 47.8630

Conversions

Conversions Part 2

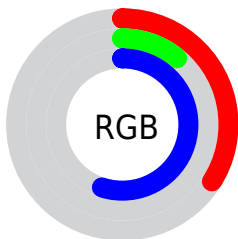
Format	Color
R_{YB}	87, 27, 140
Decimal	5708684
CIE _{Lab}	26.00, 47.88, -50.67
CIE _{LCh}	26, 69.712, 313.381
Yxy	4.7465, 0.2324, 0.1209
Android (android.graphics.Color)	4283898764 (0xFF571B8C)
YUV	57.8220, 40.5138, 25.5891
Hunter-Lab	21.7865, 36.6059, -53.8106

Details

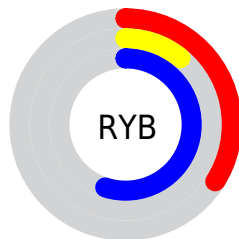
The CIELCh color **26, 69.712, 313.381** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **53, 62.737, 127.472**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 69.715, 313.323**, and **9, 59.200, 309.765** is the 20% darker color. If you saturate the color by 10%, you get **23, 75.262, 313.211**, and if you desaturate by 10%, it is **29, 62.508, 313.259**.

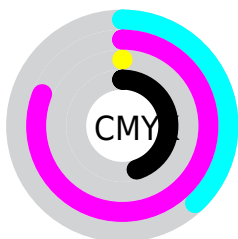
Distribution



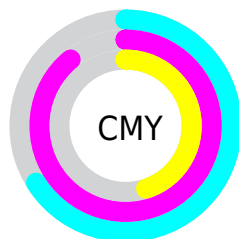
- Red (34%)
- Green (11%)
- Blue (55%)



- Red (34%)
- Yellow (11%)
- Blue (55%)



- Cyan (38%)
- Magenta (81%)
- Yellow (0%)
- Black (45%)





- Cyan (66%)
- Magenta (89%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 69.712, 313.381 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, 69.712, 313.381 by changing the saturation by 10% instead.

 26, 69.712,
313.381


 26, 69.712,
313.381

 100, 69.712,
313.381


 16, 69.712,
313.381


 46, 69.712,
313.381


 6, 69.712, 313.381

 56, 69.712,
313.381

 0, 69.712, 313.381

 66, 69.712,
313.381

 76, 69.712,
313.381

 86, 69.712,
313.381

 96, 69.712,

313.381

■ 26, 69.712,
313.381

■ 26, 69.712,
313.381

■ 23, 75.262,
313.211

■ 29, 62.508,
313.259

■ 22, 79.306,
312.876

■ 33, 54.216,
312.942

■ 37, 45.323,
312.511

■ 41, 36.177,
312.026

■ 45, 27.006,
311.528

■ 49, 17.948,
311.041

■ 54, 9.079, 310.577

■ 58, 0.438, 309.939

■ 63, 7.956, 129.791

Harmonies

Complementary

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



26, 69.712, 313.381



53, 62.737, 127.472

Rectangle

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



26, 69.712, 313.381



26, 69.712, 3.381



26, 69.712, 133.381



26, 69.712, 183.381

Sweetspot

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



26, 69.712, 313.381



62, 26.282, 311.234



34, 37.673, 276.525



30, 18.056, 311.388



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, 69.712, 313.381



30, 95.590, 312.783



35, 67.722, 328.537



28, 4.940, 310.517



21, 77.140, 312.915



0, 3.298, 310.140

Inverse Universe

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



32, 49.944, 357.089



40, 65.514, 3.697



51, 69.662, 137.585



28, 3.871, 346.066



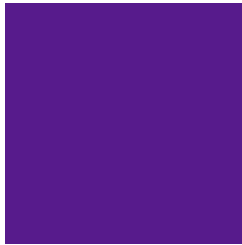
28, 52.754, 3.677



1, 2.584, 345.349

Previews

White Background



This preview shows how the CIELCh color 26, 69.712, 313.381 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, 69.712, 313.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

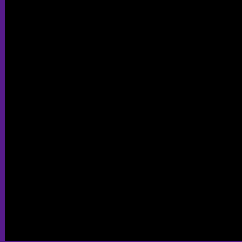
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 69.712, 313.381

Background



This preview shows how black text looks on a background with the CIELCh color 26, 69.712, 313.381.



This preview shows how white text looks on a background with the CIELCh color 26, 69.712, 313.381.

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, 69.712, 313.381

Protanopia

26, 43.983, 284.804

Deuteranopia

26, 31.652, 272.215



Tritanopia
26, 6.751, 351.879

Trichromacy



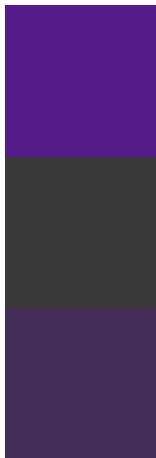
Original Color
26, 69.712, 313.381

Protanomaly
24, 54.246, 296.413

Deuteranomaly
24, 46.087, 293.537

Tritanomaly
25, 31.599, 317.296

Monochromacy



Original Color
26, 69.712, 313.381

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 28.430, 312.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 69.712, 313.381 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(87, 27, 140)` looks like.

```
.text, #text, p{  
    color:rgb(87, 27, 140)  
}
```

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(87, 27, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 27, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 69.712, 313.381 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(87, 27, 140) }
```

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

```
.border{ border-color:rgb(87, 27, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 27, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 27, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 27, 140);  
box-shadow:4px 4px 4px 4px rgb(87, 27,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 69.712, 313.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 27, 140) }
```

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

```
.background{ background-color: rgb(87, 27,  
140) }
```

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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