

Converting Colors

CIELCh(26, 77.738, 317.263)

Have a look what the booklet for
CIELCh(26, 77.738, 317.263)
contains.

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Color

CIELCh(26, 77.806, 317.299)

Conversions

Conversions Part 1

Format	Color
Hex	640290
RGB	100, 2, 144
RGB Percent	39%, 1%, 56%
CMY	0.6085, 0.9932, 0.4359
CMYK	0.31, 0.99, 0.00, 0.44
HSL	281°, 98%, 29%
HSV	281°, 99%, 56%
XYZ	10.2786, 4.7465, 26.6976
YIQ	47.4900, 12.8260, 64.9380

Conversions

Conversions Part 2

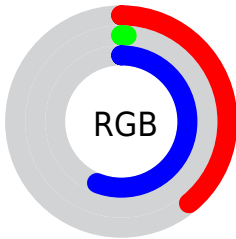
Format	Color
RYB	100, 2, 144
Decimal	6554256
CIELab	26.00, 57.18, -52.77
CIELCh	26, 77.806, 317.299
Yxy	4.7465, 0.2464, 0.1138
Android (android.graphics.Color)	4284744336 (0xFF640290)
YUV	47.4900, 47.5794, 46.0513
Hunter-Lab	21.7865, 46.0875, -57.4046

Details

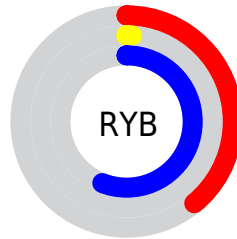
The CIELCh color **26, 77.806, 317.299** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **52, 74.516, 132.670**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 77.991, 317.346**, and **11, 58.951, 312.435** is the 20% darker color. If you saturate the color by 10%, you get **26, 78.227, 317.252**, and if you desaturate by 10%, it is **28, 74.299, 317.732**.

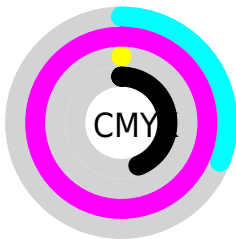
Distribution



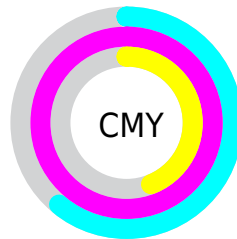
- Red (39%)
- Green (1%)
- Blue (56%)



- Red (39%)
- Yellow (1%)
- Blue (56%)



- Cyan (31%)
- Magenta (99%)
- Yellow (0%)
- Black (44%)




- Cyan (61%)
- Magenta (99%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 77.806, 317.299 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, 77.806, 317.299 by changing the saturation by 10% instead.

 26, 77.806,
317.299

 26, 77.806,
317.299

 100, 77.806,
317.299

 16, 77.806,
317.299


 46, 77.806,
317.299


 6, 77.806, 317.299

 56, 77.806,
317.299

 0, 77.806, 317.299

 66, 77.806,
317.299

 76, 77.806,
317.299

 86, 77.806,
317.299

 96, 77.806,

317.299

■ 26, 77.806,
317.299

■ 26, 77.806,
317.299

■ 26, 78.227,
317.252

■ 28, 74.299,
317.732

■ 30, 69.192,
317.950

■ 33, 62.385,
317.930

■ 36, 54.333,
317.734

■ 40, 45.488,
317.422

■ 43, 36.213,
317.040

■ 48, 26.772,
316.622

■ 52, 17.342,
316.194

■ 56, 8.037, 315.766

Harmonies

Complementary

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



26, 77.806, 317.299



52, 74.516, 132.670

Rectangle

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



26, 77.806, 317.299



26, 77.806, 7.299



26, 77.806, 137.299



26, 77.806, 187.299

Sweetspot

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



26, 77.806, 317.299



60, 34.455, 316.700



24, 63.348, 296.418



29, 23.734, 316.859



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



26, 77.806, 317.299



34, 94.701, 317.056



32, 65.423, 336.842



28, 5.130, 315.782



24, 74.737, 317.306



0, 3.433, 315.425

Inverse Universe

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



30, 56.246, 18.430



39, 68.920, 20.268



52, 73.129, 138.690



28, 3.522, 356.074



28, 54.057, 18.628



0, 2.338, 355.291

Previews

White Background



This preview shows how the CIELCh color 26, 77.806, 317.299 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, 77.806, 317.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

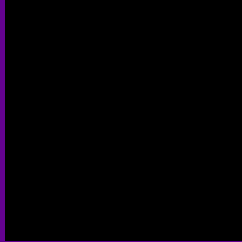
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 77.806, 317.299

Background



This preview shows how black text looks on a background with the CIELCh color 26, 77.806, 317.299.



This preview shows how white text looks on a background with the CIELCh color 26, 77.806, 317.299.

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, 77.806, 317.299

Protanopia

27, 45.112, 285.217

Deuteranopia

27, 32.752, 272.812



Tritanopia
27, 13.849, 11.495

Trichromacy



Original Color
26, 77.806, 317.299

Protanomaly
23, 62.693, 300.850

Deuteranomaly
22, 54.108, 298.834

Tritanomaly
24, 39.272, 327.264

Monochromacy



Original Color
26, 77.806, 317.299

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 36.201, 317.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 77.806, 317.299 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(100, 2, 144)` looks like.

```
.text, #text, p{  
    color:rgb(100, 2, 144)  
}
```

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(100, 2, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 2, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 77.806, 317.299 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(100, 2, 144) }
```

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

```
.border{ border-color:rgb(100, 2, 144) }
```

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

Here you see how a box with a 4 pixel rgb(100, 2, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 2, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 2, 144);  
box-shadow:4px 4px 4px 4px rgb(100, 2,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 77.806, 317.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 2, 144) }
```

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

```
.background{ background-color: rgb(100, 2,  
144) }
```

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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