

Converting Colors

CIELCh(26, 58.092, 307.244)

Have a look what the booklet for
CIELCh(26, 58.092, 307.244)
contains.

CIELCh(26, 57.947, 307.275)	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, 57.947, 307.275)

Conversions

Conversions Part 1

Format	Color
Hex	472B85
RGB	71, 43, 133
RGB Percent	28%, 17%, 52%
CMY	0.7220, 0.8317, 0.4789
CMYK	0.47, 0.68, 0.00, 0.48
HSL	259°, 51%, 34%
HSV	259°, 68%, 52%
XYZ	7.6766, 4.7465, 22.6618
YIQ	61.6320, -12.2020, 33.9260

Conversions

Conversions Part 2

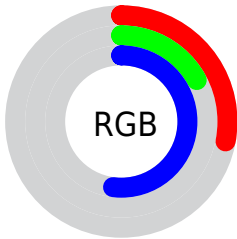
Format	Color
R_{YB}	71, 43, 133
Decimal	4664197
CIE _{Lab}	26.00, 35.10, -46.11
CIE _{LCh}	26, 57.947, 307.275
Yxy	4.7465, 0.2188, 0.1353
Android (android.graphics.Color)	4282854277 (0xFF472B85)
YUV	61.6320, 35.1844, 8.2157
Hunter-Lab	21.7865, 24.7696, -46.4215

Details

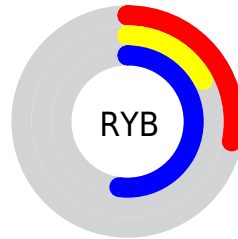
The CIELCh color **26, 57.947, 307.275** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **52, 49.761, 118.948**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 58.274, 307.504**, and **6, 57.083, 307.030** is the 20% darker color. If you saturate the color by 10%, you get **22, 66.123, 307.999**, and if you desaturate by 10%, it is **30, 49.170, 306.432**.

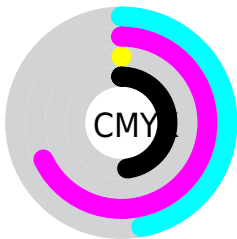
Distribution



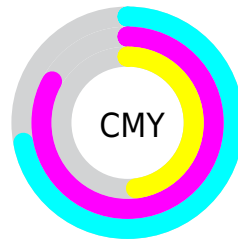
- Red (28%)
- Green (17%)
- Blue (52%)



- Red (28%)
- Yellow (17%)
- Blue (52%)



- Cyan (47%)
- Magenta (68%)
- Yellow (0%)
- Black (48%)





- Cyan (72%)
- Magenta (83%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 57.947, 307.275 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, 57.947, 307.275 by changing the saturation by 10% instead.

 26, 57.947,
307.275


 26, 57.947,
307.275

 100, 57.947,
307.275


 16, 57.947,
307.275


 46, 57.947,
307.275


 6, 57.947, 307.275

 56, 57.947,
307.275

 0, 57.947, 307.275

 66, 57.947,
307.275

 76, 57.947,
307.275

 86, 57.947,
307.275

 96, 57.947,

307.275

■ 26, 57.947,
307.275

■ 26, 57.947,
307.275

■ 22, 66.123,
307.999

■ 30, 49.170,
306.432

■ 19, 73.038,
308.461

■ 34, 40.225,
305.565

■ 17, 78.365,
308.642

■ 39, 31.352,
304.730

■ 16, 79.621,
308.730

■ 43, 22.677,
303.958

■ 48, 14.255,
303.260

■ 52, 6.106, 302.636

■ 57, 1.769, 122.118

■ 61, 9.379, 121.622

■ 65, 16.735,
121.205

Harmonies

Complementary

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



26, 57.947, 307.275



52, 49.761, 118.948

Rectangle

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



26, 57.947, 307.275



26, 57.947, 357.275



26, 57.947, 127.275



26, 57.947, 177.275

Sweetspot

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



26, 57.947, 307.276



60, 20.095, 303.443



42, 23.623, 242.059



29, 13.706, 303.608



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



26, 57.947, 307.276



29, 84.911, 308.279



32, 58.016, 321.304



26, 4.466, 302.720



16, 78.367, 308.750



0, 1.054, 302.212

Inverse Universe

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



33, 47.945, 340.336



41, 65.544, 342.269



49, 56.944, 134.923



26, 4.239, 335.303



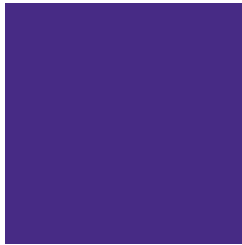
28, 55.940, 345.035



0, 1.008, 334.731

Previews

White Background



This preview shows how the CIELCh color 26, 57.947, 307.275 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 CIE LCh color 26, 57.947, 307.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

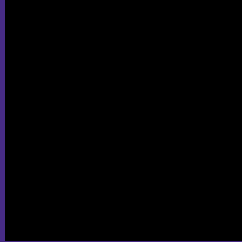
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 57.947, 307.275

Background



This preview shows how black text looks on a background with the CIELCh color 26, 57.947, 307.275.



This preview shows how white text looks on a background with the CIELCh color 26, 57.947, 307.275.

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

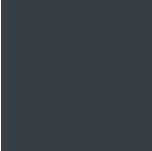
26, 57.947, 307.275

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 31.102, 271.445



Tritanopia
26, 4.939, 240.649

Trichromacy



Original Color
26, 57.947, 307.275

Protanomaly
25, 49.022, 292.435

Deuteranomaly
25, 40.857, 288.238

Tritanomaly
25, 23.765, 298.317

Monochromacy



Original Color
26, 57.947, 307.275

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 22.124, 304.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 57.947, 307.275 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(71, 43, 133)` looks like.

```
.text, #text, p{  
    color:rgb(71, 43, 133)  
}
```

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(71, 43, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 43, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 57.947, 307.275 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(71, 43, 133) }
```

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

```
.border{ border-color:rgb(71, 43, 133) }
```

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

Here you see how a box with a 4 pixel rgb(71, 43, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 43, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 43, 133);  
box-shadow:4px 4px 4px 4px rgb(71, 43,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 57.947, 307.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 43, 133) }
```

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

```
.background{ background-color: rgb(71, 43,  
133) }
```

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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