

Converting Colors

CIELCh(26, 78.797, 302.417)

Have a look what the booklet for
CIELCh(26, 78.797, 302.417)
contains.

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Color

CIELCh(26, 78.852, 302.429)

Conversions

Conversions Part 1

Format	Color
Hex	2629A6
RGB	38, 41, 166
RGB Percent	15%, 16%, 65%
CMY	0.8512, 0.8393, 0.3492
CMYK	0.77, 0.75, 0.00, 0.35
HSL	239°, 63%, 40%
HSV	239°, 77%, 65%
XYZ	8.4685, 4.7465, 36.5281
YIQ	54.3530, -41.9130, 38.2390

Conversions

Conversions Part 2

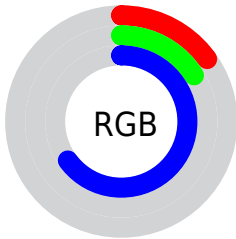
Format	Color
R_{YB}	38, 41, 166
Decimal	2501030
CIE _{Lab}	26.00, 42.28, -66.56
CIE _{LCh}	26, 78.852, 302.429
Yxy	4.7465, 0.1702, 0.0954
Android (android.graphics.Color)	4280691110 (0xFF2629A6)
YUV	54.3530, 55.0420, -14.3416
Hunter-Lab	21.7865, 31.2574, -84.1575

Details

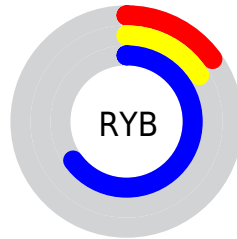
The CIELCh color **26, 78.852, 302.429** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **65, 61.711, 102.346**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 78.686, 302.375**, and **11, 73.415, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 88.089, 304.369**, and if you desaturate by 10%, it is **31, 68.161, 300.202**.

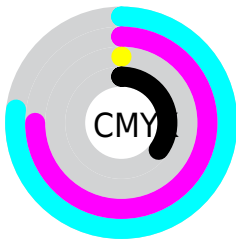
Distribution



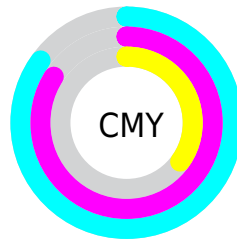
- Red (15%)
- Green (16%)
- Blue (65%)



- Red (15%)
- Yellow (16%)
- Blue (65%)



- Cyan (77%)
- Magenta (75%)
- Yellow (0%)
- Black (35%)




- Cyan (85%)
- Magenta (84%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 78.852, 302.429 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, 78.852, 302.429 by changing the saturation by 10% instead.

 26, 78.852,
302.429

 26, 78.852,
302.429

 100, 78.852,
302.429

 16, 78.852,
302.429


 46, 78.852,
302.429


 6, 78.852, 302.429

 56, 78.852,
302.429

 0, 78.852, 302.429

 66, 78.852,
302.429

 76, 78.852,
302.429

 86, 78.852,
302.429

 96, 78.852,

302.429

■ 26, 78.852,
302.429

■ 26, 78.852,
302.429

■ 22, 88.089,
304.369

■ 31, 68.161,
300.202

■ 20, 94.438,
305.686

■ 36, 57.088,
297.966

■ 19, 95.885,
305.964

■ 41, 46.176,
295.892

■ 47, 35.630,
294.054

■ 53, 25.503,
292.464

■ 58, 15.785,
291.106

■ 64, 6.449, 289.955

■ 70, 2.532, 108.935

■ 75, 11.185,
108.114

Harmonies

Complementary

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



26, 78.852, 302.429



65, 61.711, 102.346

Rectangle

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



26, 78.852, 302.429



26, 78.852, 352.429



26, 78.852, 122.429



26, 78.852, 172.429

Sweetspot

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



26, 78.853, 302.430



70, 26.663, 291.935



62, 34.634, 192.481



35, 18.735, 292.433



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



26, 78.853, 302.430



28, 113.728, 305.448



31, 77.516, 311.687



33, 5.195, 290.187



17, 87.954, 305.916



1, 9.364, 289.362

Inverse Universe

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



37, 59.901, 30.993



46, 87.709, 37.405



62, 68.262, 125.188



33, 3.723, 17.996



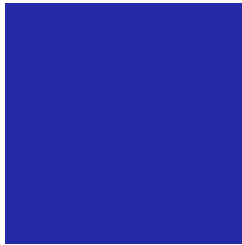
30, 68.183, 38.418



1, 6.577, 17.715

Previews

White Background



This preview shows how the CIE LCh color 26, 78.852, 302.429 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, 78.852, 302.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

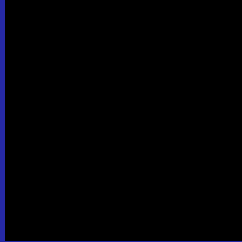
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 78.852, 302.429

Background



This preview shows how black text looks on a background with the CIELCh color 26, 78.852, 302.429.



This preview shows how white text looks on a background with the CIELCh color 26, 78.852, 302.429.

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, 78.852, 302.429

Protanopia

26, 42.849, 284.367

Deuteranopia

26, 30.014, 269.823



Tritanopia
26, 19.125, 202.495

Trichromacy



Original Color
26, 78.852, 302.429

Protanomaly
25, 56.568, 293.840

Deuteranomaly
25, 47.207, 289.441

Tritanomaly
25, 31.904, 277.477

Monochromacy



Original Color
26, 78.852, 302.429

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 30.724, 295.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 78.852, 302.429 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(38, 41, 166)` looks like.

```
.text, #text, p{  
    color:rgb(38, 41, 166)  
}
```

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(38, 41, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 41, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 78.852, 302.429 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(38, 41, 166) }
```

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

```
.border{ border-color:rgb(38, 41, 166) }
```

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

Here you see how a box with a 4 pixel rgb(38, 41, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 41, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 41, 166);  
box-shadow:4px 4px 4px 4px rgb(38, 41,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 78.852, 302.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 41, 166) }
```

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

```
.background{ background-color: rgb(38, 41,  
166) }
```

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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