

Converting Colors

CIELCh(26, 40.169, 122.756)

Have a look what the booklet for
CIELCh(26, 40.169, 122.756)
contains.

CIELCh(26, 39.951, 122.618)	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, 39.951, 122.618)

Conversions

Conversions Part 1

Format	Color
Hex	2A4501
RGB	42, 69, 1
RGB Percent	16%, 27%, 0%
CMY	0.8354, 0.7295, 0.9962
CMYK	0.39, 0.00, 0.99, 0.73
HSL	84°, 97%, 14%
HSV	84°, 99%, 27%
XYZ	3.0854, 4.7465, 0.7815
YIQ	53.1750, 5.7360, -26.8720

Conversions

Conversions Part 2

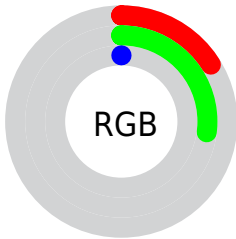
Format	Color
R_{YB}	1, 69, 28
Decimal	2770177
CIE _{Lab}	26.00, -21.54, 33.65
CIE _{LCh}	26, 39.951, 122.618
Yxy	4.7465, 0.3582, 0.5511
Android (android.graphics.Color)	4280960257 (0xFF2A4501)
YUV	53.1750, -25.7223, -9.8005
Hunter-Lab	21.7865, -12.8475, 13.1239

Details

The CIELCh color **26, 39.951, 122.618** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 47.734, 310.532**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 39.569, 122.398**, and **8, 18.838, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **26, 40.381, 122.623**, and if you desaturate by 10%, it is **26, 36.916, 122.580**.

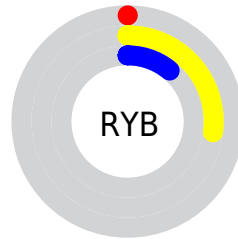
Distribution



Red (16%)

Green (27%)

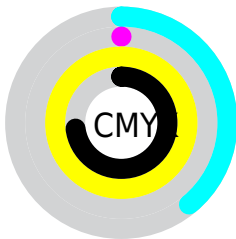
Blue (0%)



Red (0%)

Yellow (27%)

Blue (11%)

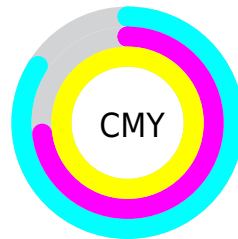


Cyan (39%)

Magenta (0%)

Yellow (99%)

Black (73%)



Cyan (84%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 39.951, 122.618 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, 39.951, 122.618 by changing the saturation by 10% instead.

 26, 39.951,
122.618


 26, 39.951,
122.618

 100, 39.951,
122.618

 16, 39.951,
122.618


 46, 39.951,
122.618


 6, 39.951, 122.618

 56, 39.951,
122.618

 0, 39.951, 122.618

 66, 39.951,
122.618

 76, 39.951,
122.618

 86, 39.951,
122.618

 96, 39.951,

122.618

■ 26, 39.951,
122.618

■ 26, 39.951,
122.618

■ 26, 40.381,
122.623

■ 26, 36.916,
122.580

■ 26, 33.855,
122.468

■ 27, 30.287,
122.574

■ 27, 26.320,
122.847

■ 27, 22.082,
123.223

■ 28, 17.667,
123.656

■ 28, 13.145,
124.115

■ 28, 8.562, 124.577

■ 29, 3.954, 125.033

Harmonies

Complementary

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



26, 39.951, 122.618



6, 47.734, 310.532

Rectangle

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



26, 39.951, 122.618



26, 39.951, 172.618



26, 39.951, 302.618



26, 39.951, 352.618

Sweetspot

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



26, 39.951, 122.619



36, 17.071, 123.994



16, 29.687, 51.559



18, 11.738, 123.903



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



26, 39.951, 122.619



34, 48.574, 123.051



25, 45.150, 134.984



14, 2.640, 125.031



38, 52.466, 123.275



82, 96.725, 124.442

Inverse Universe

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



6, 47.734, 310.532



10, 58.766, 310.608



12, 44.959, 324.173



13, 2.677, 305.770



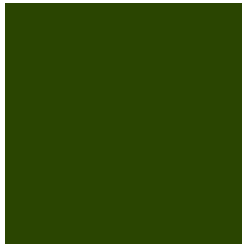
12, 63.470, 310.453



33, 116.949, 309.674

Previews

White Background



This preview shows how the CIELCh color 26, 39.951, 122.618 looks on a white background.

Color Contrast Check

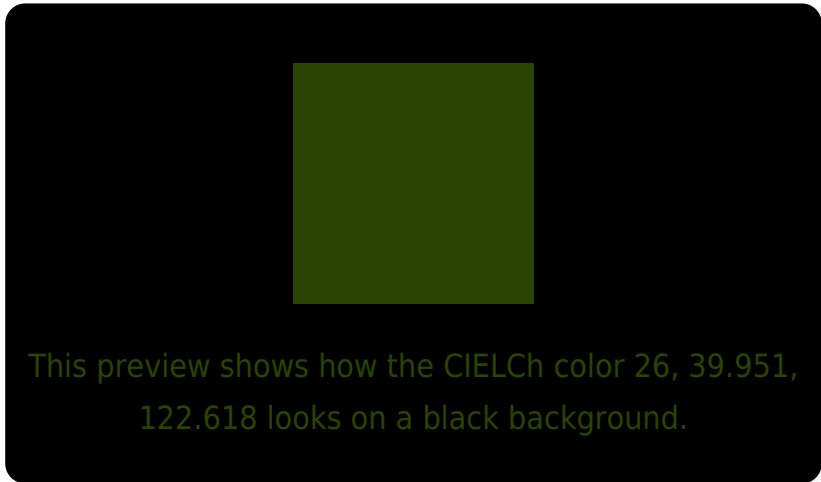
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

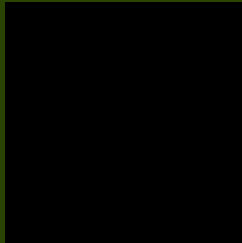
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 39.951, 122.618

Background



This preview shows how black text looks on a background with the CIELCh color 26, 39.951, 122.618.



This preview shows how white text looks on a background with the CIELCh color 26, 39.951, 122.618.

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

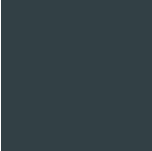
26, 39.951, 122.618

Protanopia

26, 35.113, 95.883

Deuteranopia

26, 29.486, 82.569



Tritanopia
26, 6.533, 228.841

Trichromacy



Original Color
26, 39.951, 122.618

Protanomaly
26, 36.159, 107.203

Deuteranomaly
26, 31.172, 100.702

Tritanomaly
26, 16.813, 139.008

Monochromacy



Original Color
26, 39.951, 122.618

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 17.010, 123.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 39.951, 122.618 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(42, 69, 1)` looks like.

```
.text, #text, p{  
    color:rgb(42, 69, 1)  
}
```

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(42, 69, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 69, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 39.951, 122.618 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(42, 69, 1) }
```

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

```
.border{ border-color:rgb(42, 69, 1) }
```

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

Here you see how a box with a 4 pixel rgb(42, 69, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 69, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 69, 1); box-shadow:4px  
4px 4px 4px rgb(42, 69, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 39.951, 122.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 69, 1) }
```

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

```
.background{ background-color: rgb(42, 69,  
1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor