

Converting Colors

CIELCh(26, 40.017, 121.516)

Have a look what the booklet for
CIELCh(26, 40.017, 121.516)
contains.

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Color

CIELCh(26, 40.160, 121.798)

Conversions

Conversions Part 1

Format	Color
Hex	2B4500
RGB	43, 69, 0
RGB Percent	17%, 27%, 0%
CMY	0.8320, 0.7300, 1.0000
CMYK	0.38, 0.00, 1.00, 0.73
HSL	83°, 100%, 13%
HSV	83°, 100%, 27%
XYZ	3.1071, 4.7465, 0.7477
YIQ	53.3600, 6.6530, -26.9710

Conversions

Conversions Part 2

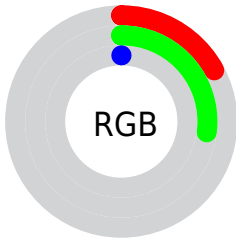
Format	Color
RYB	0, 69, 26
Decimal	2835712
CIELab	26.00, -21.16, 34.13
CIELCh	26, 40.160, 121.798
Yxy	4.7465, 0.3612, 0.5518
Android (android.graphics.Color)	4281025792 (0xFF2B4500)
YUV	53.3600, -26.3065, -9.0857
Hunter-Lab	21.7865, -12.6694, 13.2156

Details

The CIELCh color **26, 40.160, 121.798** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 48.294, 310.114**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 39.907, 121.558**, and **8, 18.838, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **26, 40.100, 121.835**, and if you desaturate by 10%, it is **26, 37.088, 121.801**.

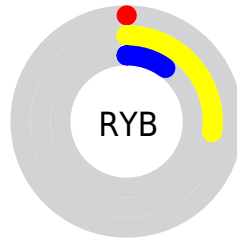
Distribution



Red (17%)

Green (27%)

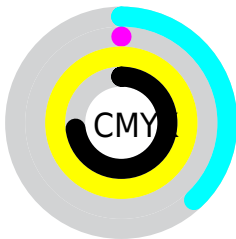
Blue (0%)



Red (0%)

Yellow (27%)

Blue (10%)

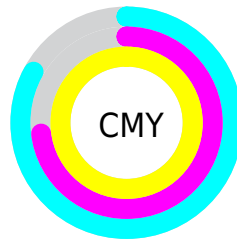


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (83%)


Magenta (73%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 40.160, 121.798 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, 40.160, 121.798 by changing the saturation by 10% instead.

 26, 40.160,
121.798


 26, 40.160,
121.798

 100, 40.160,
121.798


 16, 40.160,
121.798


 46, 40.160,
121.798


 6, 40.160, 121.798

 56, 40.160,
121.798

 0, 40.160, 121.798

 66, 40.160,
121.798

 76, 40.160,
121.798

 86, 40.160,
121.798

 96, 40.160,

121.798

■ 26, 40.160,
121.798

■ 26, 40.160,
121.798

■ 26, 40.100,
121.835

■ 26, 37.088,
121.801

■ 26, 34.092,
121.693

■ 27, 30.623,
121.776

■ 27, 26.734,
122.036

■ 27, 22.557,
122.408

■ 28, 18.192,
122.843

■ 28, 13.710,
123.308

■ 28, 9.161, 123.780

■ 29, 4.581, 124.248

Harmonies

Complementary

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



26, 40.160, 121.798



6, 48.294, 310.114

Rectangle

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



26, 40.160, 121.798



26, 40.160, 171.798



26, 40.160, 301.798



26, 40.160, 351.798

Sweetspot

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



26, 40.100, 121.835



36, 17.002, 123.251



15, 30.153, 49.906



18, 11.690, 123.158



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, 40.100, 121.835



34, 48.290, 122.258



25, 45.390, 134.664



13, 2.469, 124.319



37, 51.194, 122.427



81, 95.275, 123.616

Inverse Universe

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



6, 48.294, 310.114



9, 58.988, 310.259



12, 45.442, 323.635



11, 2.504, 305.064



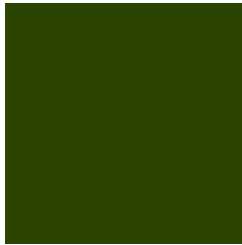
11, 62.539, 310.142



33, 116.399, 309.350

Previews

White Background



This preview shows how the CIELCh color 26, 40.160, 121.798 looks on a white background.

Color Contrast Check

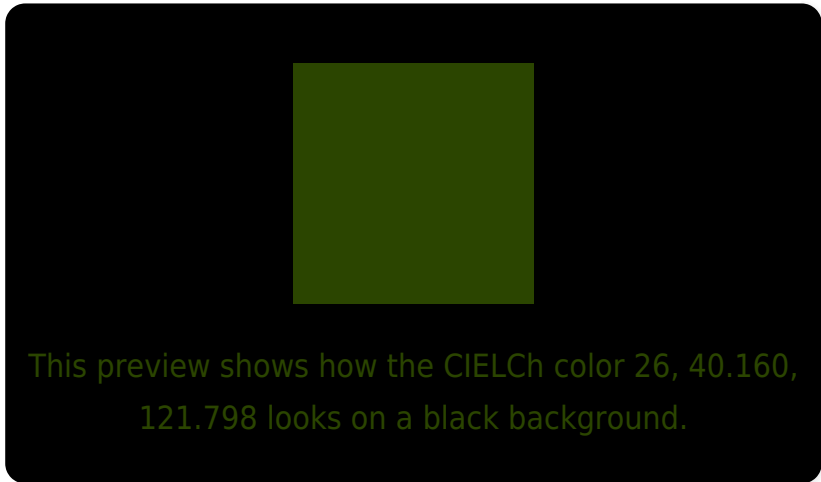
Large Text (above 18pt) WCAG AA ✓ Pass

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

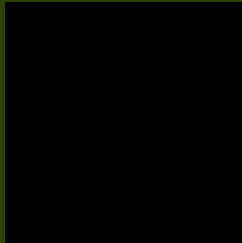
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 40.160, 121.798

Background



This preview shows how black text looks on a background with the CIELCh color 26, 40.160, 121.798.



This preview shows how white text looks on a background with the CIELCh color 26, 40.160, 121.798.

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

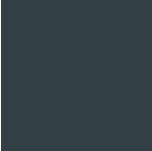
26, 40.160, 121.798

Protanopia

26, 35.113, 95.883

Deuteranopia

26, 29.933, 82.780



Tritanopia
26, 6.533, 228.841

Trichromacy



Original Color
26, 40.160, 121.798

Protanomaly
26, 35.687, 106.439

Deuteranomaly
26, 31.576, 100.659

Tritanomaly
26, 16.813, 139.008

Monochromacy



Original Color
26, 40.160, 121.798

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, 40.160, 121.798 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(43, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 69, 0)  
}
```

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(43, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 69, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 40.160, 121.798 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(43, 69, 0) }
```

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

```
.border{ border-color:rgb(43, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 69, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 69, 0); box-shadow:4px  
4px 4px 4px rgb(43, 69, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 40.160, 121.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 69, 0) }
```

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

```
.background{ background-color: rgb(43, 69,  
0) }
```

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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