

Converting Colors

CIELCh(26, 27.185, 164.002)

Have a look what the booklet for
CIELCh(26, 27.185, 164.002)
contains.

CIELCh(26, 27.350, 163.619)	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, 27.350, 163.619)

Conversions

Conversions Part 1

Format	Color
Hex	004731
RGB	0, 71, 49
RGB Percent	0%, 28%, 19%
CMY	0.9993, 0.7211, 0.8074
CMYK	1.00, 0.00, 0.31, 0.72
HSL	161°, 100%, 14%
HSV	161°, 100%, 28%
XYZ	2.8203, 4.7465, 3.6863
YIQ	47.2630, -35.2540, -21.8940

Conversions

Conversions Part 2

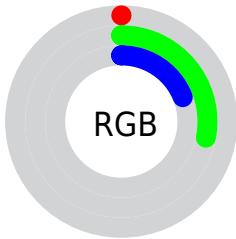
Format	Color
RYB	0, 42, 71
Decimal	18225
CIELab	26.00, -26.24, 7.71
CIELCh	26, 27.350, 163.619
Yxy	4.7465, 0.2506, 0.4218
Android (android.graphics.Color)	4278208305 (0xFF004731)
YUV	47.2630, 0.8563, -41.4497
Hunter-Lab	21.7865, -15.0191, 5.2186

Details

The CIELCh color **26, 27.350, 163.619** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 33.850, 13.497**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 27.327, 163.580**, and **8, 19.271, 145.793** is the 20% darker color. If you saturate the color by 10%, you get **26, 27.396, 163.587**, and if you desaturate by 10%, it is **26, 25.462, 165.029**.

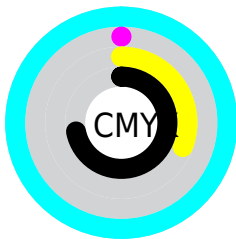
Distribution



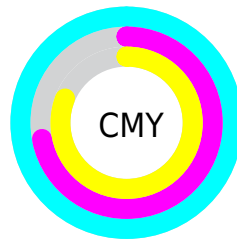
- Red (0%)
- Green (28%)
- Blue (19%)



- Red (0%)
- Yellow (16%)
- Blue (28%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (72%)





- Cyan (100%)
- Magenta (72%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 27.350, 163.619 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, 27.350, 163.619 by changing the saturation by 10% instead.

 26, 27.350,
163.619


 26, 27.350,
163.619

 100, 27.350,
163.619


 16, 27.350,
163.619


 46, 27.350,
163.619


 6, 27.350, 163.619

 56, 27.350,
163.619

 0, 27.350, 163.619

 66, 27.350,
163.619

 76, 27.350,
163.619

 86, 27.350,
163.619

 96, 27.350,

163.619

■ 26, 27.350,
163.619

■ 26, 27.350,
163.619

■ 26, 27.396,
163.587

■ 26, 25.462,
165.029

■ 26, 23.560,
166.607

■ 27, 21.371,
168.064

■ 27, 18.885,
169.382

■ 27, 16.135,
170.580

■ 28, 13.160,
171.675

■ 28, 10.006,
172.684

■ 29, 6.720, 173.625

■ 30, 3.344, 174.528

Harmonies

Complementary

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



26, 27.350, 163.619



12, 33.850, 13.497

Rectangle

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



26, 27.350, 163.619



26, 27.350, 213.619



26, 27.350, 343.619



26, 27.350, 33.619

Sweetspot

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



26, 27.350, 163.618



37, 12.441, 172.548



26, 44.751, 131.507



17, 8.341, 172.364



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, 27.350, 163.618



34, 33.046, 162.701



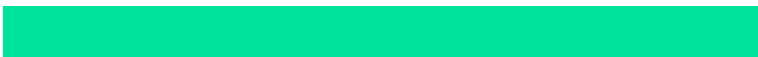
22, 17.326, 227.821



14, 1.916, 174.634



37, 35.075, 162.459



80, 65.853, 160.738

Inverse Universe

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



12, 33.850, 13.497



17, 40.643, 15.887



13, 33.720, 37.840



13, 1.958, 355.901



19, 43.071, 16.517



48, 80.254, 21.020

Previews

White Background



This preview shows how the CIE LCh color 26, 27.350, 163.619 looks on a white background.

Color Contrast Check

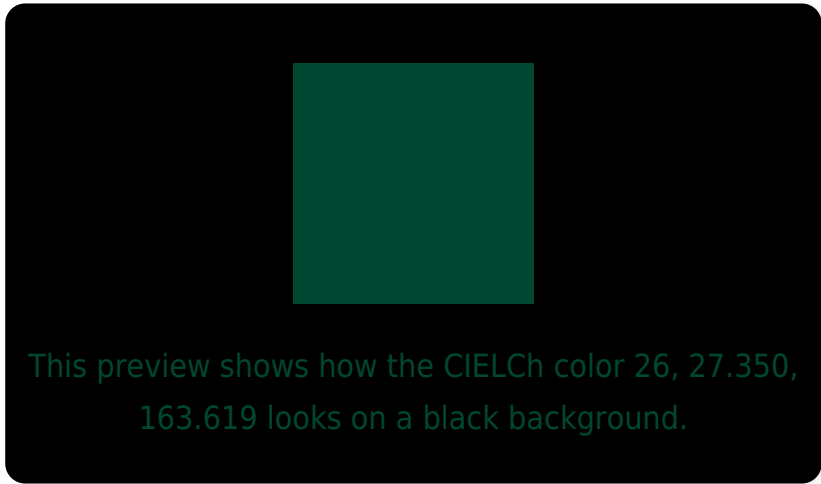
Large Text (above 18pt) WCAG AA ✓ Pass

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

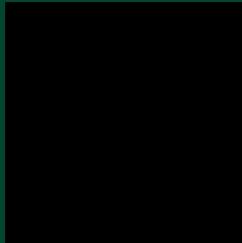
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 27.350, 163.619

Background



This preview shows how black text looks on a background with the CIELCh color 26, 27.350, 163.619.



This preview shows how white text looks on a background with the CIELCh color 26, 27.350, 163.619.

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, 27.350, 163.619

Protanopia
26, 11.303, 95.256

Deuteranopia
26, 7.850, 61.378



Tritanopia
26, 15.210, 212.331

Trichromacy



Original Color
26, 27.350, 163.619

Protanomaly
25, 16.016, 146.228

Deuteranomaly
25, 11.847, 151.524

Tritanomaly
26, 18.361, 188.226

Monochromacy



Original Color
26, 27.350, 163.619

Achromatopsia
19, 0.004, 296.813

Achromatomaly
21, 12.444, 171.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 27.350, 163.619 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(0, 71, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 49)  
}
```

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(0, 71, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 27.350, 163.619 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(0, 71, 49) }
```

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

```
.border{ border-color:rgb(0, 71, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 71, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 71, 49); box-shadow:4px  
4px 4px 4px rgb(0, 71, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 27.350, 163.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 71, 49) }
```

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

```
.background{ background-color: rgb(0, 71,  
49) }
```

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