

Converting Colors

CIELCh(26, 12.180, 167.534)

Have a look what the booklet for
CIELCh(26, 12.180, 167.534)
contains.

CIELCh(26, 12.640, 166.157)	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, 12.640, 166.157)

Conversions

Conversions Part 1

Format	Color
Hex	2A4339
RGB	42, 67, 57
RGB Percent	16%, 26%, 22%
CMY	0.8367, 0.7387, 0.7779
CMYK	0.38, 0.00, 0.15, 0.74
HSL	156°, 23%, 21%
HSV	156°, 38%, 26%
XYZ	3.6547, 4.7465, 4.5473
YIQ	58.3850, -11.6900, -8.4100

Conversions

Conversions Part 2

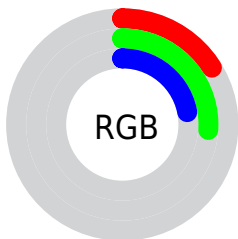
Format	Color
RYB	42, 58, 67
Decimal	2769721
CIELab	26.00, -12.27, 3.02
CIELCh	26, 12.640, 166.157
Yxy	4.7465, 0.2822, 0.3666
Android (android.graphics.Color)	4280959801 (0xFF2A4339)
YUV	58.3850, -0.6828, -14.3696
Hunter-Lab	21.7865, -8.1830, 2.8755

Details

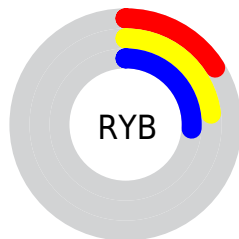
The CIELCh color **26, 12.640, 166.157** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 13.494, 352.926**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 12.653, 166.882**, and **7, 11.430, 161.145** is the 20% darker color. If you saturate the color by 10%, you get **26, 15.780, 165.077**, and if you desaturate by 10%, it is **27, 9.365, 167.141**.

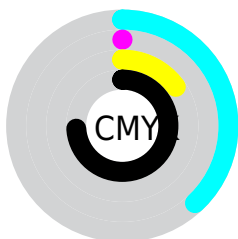
Distribution



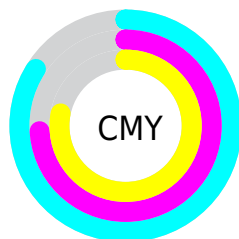
- Red (16%)
- Green (26%)
- Blue (22%)



- Red (16%)
- Yellow (23%)
- Blue (26%)



- Cyan (38%)
- Magenta (0%)
- Yellow (15%)
- Black (74%)





- Cyan (84%)
- Magenta (74%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 12.640, 166.157 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, 12.640, 166.157 by changing the saturation by 10% instead.

 26, 12.640,
166.157


 26, 12.640,
166.157

 100, 12.640,
166.157


 16, 12.640,
166.157


 46, 12.640,
166.157


 6, 12.640, 166.157

 56, 12.640,
166.157

 0, 12.640, 166.157

 66, 12.640,
166.157

 76, 12.640,
166.157

 86, 12.640,
166.157

 96, 12.640,

166.157

■ 26, 12.640,
166.157

■ 26, 12.640,
166.157

■ 26, 15.780,
165.077

■ 27, 9.365, 167.141

■ 27, 5.998, 168.051

■ 25, 18.740,
163.888

■ 28, 2.578, 168.924

■ 25, 21.476,
162.570

■ 28, 0.861, 349.380

■ 25, 23.951,
161.107

■ 29, 4.292, 350.288

■ 30, 7.693, 350.986

■ 24, 26.152,
159.500

■ 31, 11.046,
351.633

■ 24, 28.310,
158.056

■ 32, 14.340,

■ 24, 28.856,
157.737

352.243

■ 33, 17.567,
352.823

Harmonies

Complementary

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



26, 12.640, 166.157



20, 13.494, 352.926

Rectangle

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



26, 12.640, 166.157



26, 12.640, 216.157



26, 12.640, 346.157



26, 12.640, 36.157

Sweetspot

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



26, 12.641, 166.156



36, 4.701, 168.577



26, 17.581, 130.964



17, 3.109, 168.540



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



26, 12.641, 166.156



34, 18.625, 165.147



25, 9.109, 208.446



12, 1.903, 168.835



36, 38.161, 156.347



79, 72.833, 154.475

Inverse Universe

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



20, 13.494, 352.926



25, 20.195, 354.110



21, 11.558, 30.074



12, 1.933, 350.035



19, 41.576, 8.185



48, 77.113, 12.428

Previews

White Background



This preview shows how the CIELCh color 26, 12.640, 166.157 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, 12.640, 166.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

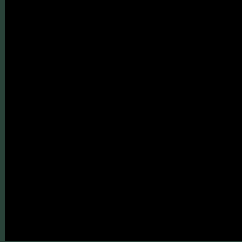
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

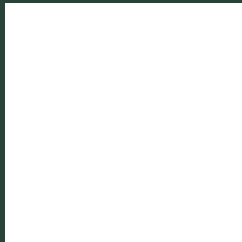
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 26, 12.640, 166.157

Background



This preview shows how black text looks on a background with the CIELCh color 26, 12.640, 166.157.



This preview shows how white text looks on a background with the CIELCh color 26, 12.640, 166.157.

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, 12.640, 166.157

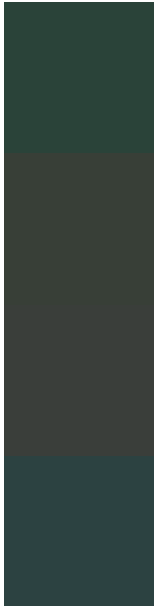
Protanopia
26, 4.779, 92.003

Deuteranopia
26, 4.244, 28.917



Tritanopia
26, 8.516, 220.999

Trichromacy



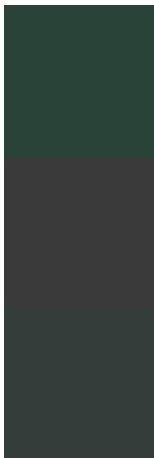
Original Color
26, 12.640, 166.157

Protanomaly
26, 6.160, 140.460

Deuteranomaly
26, 3.202, 144.157

Tritanomaly
26, 9.085, 193.767

Monochromacy



Original Color
26, 12.640, 166.157

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 4.498, 172.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 12.640, 166.157 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, 67, 57)` looks like.

```
.text, #text, p{  
    color:rgb(42, 67, 57)  
}
```

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, 67, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 67, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 12.640, 166.157 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, 67, 57) }
```

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

```
.border{ border-color:rgb(42, 67, 57) }
```

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

Here you see how a box with a 4 pixel rgb(42, 67, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 67, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 67, 57);  
box-shadow:4px 4px 4px 4px rgb(42, 67, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 12.640, 166.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 67, 57) }
```

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

```
.background{ background-color: rgb(42, 67,  
57) }
```

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