

Converting Colors

CIELCh(25, 32.842, 175.625)

Have a look what the booklet for
CIELCh(25, 32.842, 175.625)
contains.

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Color

CIELCh(26, 24.818, 170.596)

Conversions

Conversions Part 1

Format	Color
Hex	004737
RGB	0, 71, 55
RGB Percent	0%, 28%, 22%
CMY	1.0000, 0.7225, 0.7852
CMYK	1.00, 0.00, 0.23, 0.72
HSL	166°, 100%, 14%
HSV	166°, 100%, 28%
XYZ	2.9173, 4.7465, 4.3476
YIQ	47.9470, -37.1800, -20.0280

Conversions

Conversions Part 2

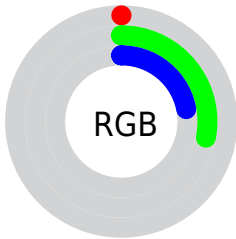
Format	Color
RYB	0, 40, 71
Decimal	18231
CIELab	26.00, -24.48, 4.06
CIELCh	26, 24.818, 170.596
Yxy	4.7465, 0.2429, 0.3952
Android (android.graphics.Color)	4278208311 (0xFF004737)
YUV	47.9470, 3.4771, -42.0495
Hunter-Lab	21.7865, -14.2241, 3.4189

Details

The CIELCh color **26, 24.818, 170.596** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 34.464, 19.454**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 24.793, 171.098**, and **8, 16.444, 153.196** is the 20% darker color. If you saturate the color by 10%, you get **26, 24.773, 170.555**, and if you desaturate by 10%, it is **26, 23.204, 171.823**.

Distribution



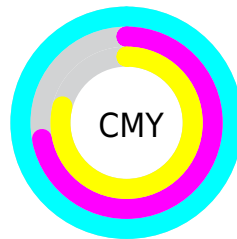
- Red (0%)
- Green (28%)
- Blue (22%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (72%)





- Cyan (100%)
- Magenta (72%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 24.818, 170.596 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, 24.818, 170.596 by changing the saturation by 10% instead.

 26, 24.818,
170.596

 26, 24.818,
170.596

 100, 24.818,
170.596

 16, 24.818,
170.596


 46, 24.818,
170.596

 6, 24.818, 170.596

 56, 24.818,
170.596

 0, 24.818, 170.596

 66, 24.818,
170.596

 76, 24.818,
170.596

 86, 24.818,
170.596

 96, 24.818,

170.596

■ 26, 24.818,
170.596

■ 26, 24.818,
170.596

■ 26, 24.773,
170.555

■ 26, 23.204,
171.823

■ 26, 21.624,
173.229

■ 27, 19.754,
174.534

■ 27, 17.575,
175.725

■ 27, 15.114,
176.820

■ 28, 12.409,
177.835

■ 28, 9.502, 178.784

■ 29, 6.437, 179.685

■ 29, 3.256, 180.562

Harmonies

Complementary

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



26, 24.818, 170.596



12, 34.464, 19.454

Rectangle

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



26, 24.818, 170.596



26, 24.818, 220.596



26, 24.818, 350.596



26, 24.818, 40.596

Sweetspot

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



26, 24.773, 170.555



37, 11.767, 178.675



26, 45.508, 133.143



17, 7.882, 178.502



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, 24.773, 170.555



34, 29.885, 169.758



20, 17.963, 244.042



14, 1.830, 180.689



37, 31.689, 169.545



81, 59.077, 168.015

Inverse Universe

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



12, 34.464, 19.454



17, 42.037, 23.087



14, 32.352, 42.652



13, 1.883, 1.927



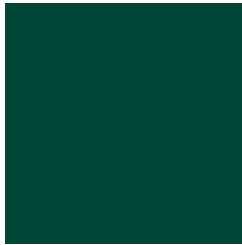
19, 44.638, 23.758



48, 84.239, 28.254

Previews

White Background



This preview shows how the CIELCh color 26, 24.818, 170.596 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, 24.818, 170.596 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, 24.818, 170.596

Background



This preview shows how black text looks on a background with the CIELCh color 26, 24.818, 170.596.



This preview shows how white text looks on a background with the CIELCh color 26, 24.818, 170.596.

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, 24.818, 170.596

Protanopia

26, 8.037, 94.662

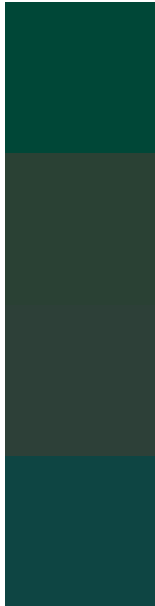
Deuteranopia

26, 5.102, 42.550



Tritanopia
26, 15.614, 211.876

Trichromacy



Original Color
26, 24.818, 170.596

Protanomaly
25, 13.342, 157.518

Deuteranomaly
25, 9.916, 165.681

Tritanomaly
26, 18.078, 192.374

Monochromacy



Original Color
26, 24.818, 170.596

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 11.424, 176.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 24.818, 170.596 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 24.818, 170.596 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, 55) }
```

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

```
.border{ border-color:rgb(0, 71, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 55); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 71, 55); box-shadow:4px  
4px 4px 4px rgb(0, 71, 55) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 24.818, 170.596 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, 55) }
```

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

```
.background{ background-color: rgb(0, 71,  
55) }
```

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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