

Converting Colors

CIELCh(25, 28.080, 197.687)

Have a look what the booklet for
CIELCh(25, 28.080, 197.687)
contains.

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Color

CIELCh(26, 19.439, 200.380)

Conversions

Conversions Part 1

Format	Color
Hex	004547
RGB	0, 69, 71
RGB Percent	0%, 27%, 28%
CMY	1.0000, 0.7282, 0.7203
CMYK	1.00, 0.03, 0.00, 0.72
HSL	182°, 100%, 14%
HSV	182°, 100%, 28%
XYZ	3.2816, 4.7465, 6.7573
YIQ	48.5970, -41.7660, -14.0060

Conversions

Conversions Part 2

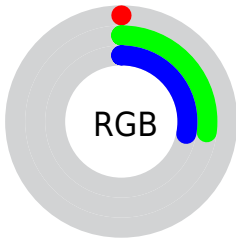
Format	Color
RYB	0, 35, 71
Decimal	17735
CIELab	26.00, -18.22, -6.77
CIELCh	26, 19.439, 200.380
Yxy	4.7465, 0.2220, 0.3210
Android (android.graphics.Color)	4278207815 (0xFF004547)
YUV	48.5970, 11.0447, -42.6196
Hunter-Lab	21.7865, -11.2394, -3.1388

Details

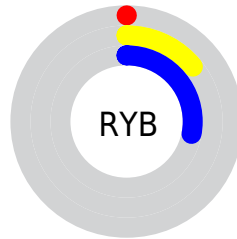
The CIELCh color **26, 19.439, 200.380** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 36.310, 31.000**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 19.425, 199.091**, and **8, 9.912, 202.725** is the 20% darker color. If you saturate the color by 10%, you get **26, 19.308, 200.424**, and if you desaturate by 10%, it is **26, 18.478, 200.305**.

Distribution



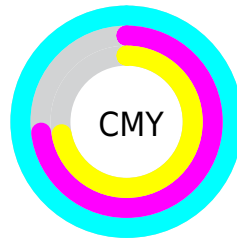
- Red (0%)
- Green (27%)
- Blue (28%)



- Red (0%)
- Yellow (14%)
- Blue (28%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (72%)





- Cyan (100%)
- Magenta (73%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 19.439, 200.380 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, 19.439, 200.380 by changing the saturation by 10% instead.

 26, 19.439,
200.380


 26, 19.439,
200.380

 100, 19.439,
200.380


 16, 19.439,
200.380


 46, 19.439,
200.380


 6, 19.439, 200.380

 56, 19.439,
200.380

 0, 19.439, 200.380

 66, 19.439,
200.380

 76, 19.439,
200.380

 86, 19.439,
200.380

 96, 19.439,

200.380

■ 26, 19.439,
200.380

■ 26, 19.439,
200.380

■ 26, 19.308,
200.424

■ 26, 18.478,
200.305

■ 26, 17.607,
200.178

■ 27, 16.420,
200.134

■ 27, 14.890,
200.178

■ 27, 13.033,
200.302

■ 28, 10.877,
200.501

■ 28, 8.457, 200.768

■ 29, 5.811, 201.097

■ 30, 2.980, 201.503

Harmonies

Complementary

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



26, 19.439, 200.380



12, 36.310, 31.000

Rectangle

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



26, 19.439, 200.380



26, 19.439, 250.380



26, 19.439, 20.380



26, 19.439, 70.380

Sweetspot

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



26, 19.308, 200.424



37, 10.388, 200.734



25, 47.233, 136.555



17, 6.939, 200.681



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, 19.308, 200.424



34, 22.905, 200.584



13, 26.826, 280.360



14, 1.667, 201.572



37, 24.212, 200.629



80, 44.112, 200.960

Inverse Universe

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



14, 45.219, 329.262



20, 53.672, 329.302



19, 30.386, 63.814



13, 3.063, 325.595



22, 56.742, 329.314



54, 103.488, 329.397

Previews

White Background



This preview shows how the CIELCh color 26, 19.439, 200.380 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, 19.439, 200.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

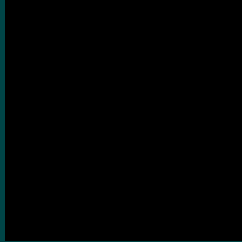
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 19.439, 200.380

Background



This preview shows how black text looks on a background with the CIELCh color 26, 19.439, 200.380.



This preview shows how white text looks on a background with the CIELCh color 26, 19.439, 200.380.

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, 19.251, 200.429

Protanopia

26, 2.618, 290.718

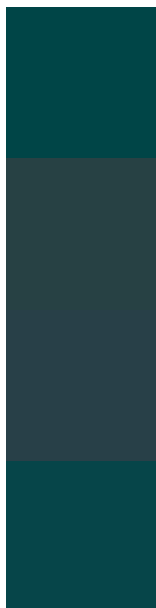
Deuteranopia

26, 7.918, 297.866



Tritanopia
26, 17.738, 207.552

Trichromacy



Original Color
26, 19.251, 200.429

Protanomaly
26, 10.293, 208.939

Deuteranomaly
26, 10.376, 228.806

Tritanomaly
26, 18.283, 205.014

Monochromacy



Original Color
26, 19.251, 200.429

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 10.022, 201.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 19.439, 200.380 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, 69, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 71)  
}
```

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, 69, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 19.439, 200.380 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, 69, 71) }
```

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

```
.border{ border-color:rgb(0, 69, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 69, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 69, 71); box-shadow:4px  
4px 4px 4px rgb(0, 69, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 19.439, 200.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 71) }
```

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

```
.background{ background-color: rgb(0, 69,  
71) }
```

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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