

Converting Colors

CIELCh(22, 64.614, 188.911)

Have a look what the booklet for
CIELCh(22, 64.614, 188.911)
contains.

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Color

CIELCh(26, 20.619, 188.834)

Conversions

Conversions Part 1

Format	Color
Hex	004642
RGB	0, 70, 66
RGB Percent	0%, 27%, 26%
CMY	1.0000, 0.7262, 0.7419
CMYK	1.00, 0.00, 0.06, 0.73
HSL	177°, 100%, 14%
HSV	177°, 100%, 27%
XYZ	3.1532, 4.7465, 5.8762
YIQ	48.6140, -40.4360, -16.0840

Conversions

Conversions Part 2

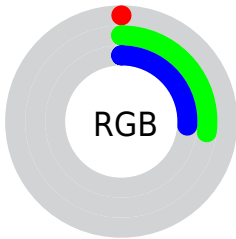
Format	Color
RYB	0, 36, 70
Decimal	17986
CIELab	26.00, -20.37, -3.17
CIELCh	26, 20.619, 188.834
Yxy	4.7465, 0.2289, 0.3446
Android (android.graphics.Color)	4278208066 (0xFF004642)
YUV	48.6140, 8.5713, -42.6345
Hunter-Lab	21.7865, -12.2916, -0.7410

Details

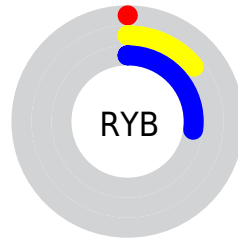
The CIELCh color **26, 20.619, 188.834** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 35.570, 27.016**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 20.793, 188.858**, and **8, 11.401, 178.648** is the 20% darker color. If you saturate the color by 10%, you get **26, 20.584, 188.826**, and if you desaturate by 10%, it is **26, 19.566, 189.379**.

Distribution



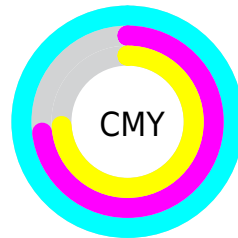
- Red (0%)
- Green (27%)
- Blue (26%)



- Red (0%)
- Yellow (14%)
- Blue (27%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (73%)





- Cyan (100%)
- Magenta (73%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 20.619, 188.834 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, 20.619, 188.834 by changing the saturation by 10% instead.

 26, 20.619,
188.834


 26, 20.619,
188.834

 100, 20.619,
188.834


 16, 20.619,
188.834


 46, 20.619,
188.834


 6, 20.619, 188.834

 56, 20.619,
188.834

 0, 20.619, 188.834

 66, 20.619,
188.834

 76, 20.619,
188.834

 86, 20.619,
188.834

 96, 20.619,

188.834

■ 26, 20.619,
188.834

■ 26, 20.619,
188.834

■ 26, 20.584,
188.826

■ 26, 19.566,
189.379

■ 26, 18.521,
189.971

■ 27, 17.171,
190.553

■ 27, 15.488,
191.129

■ 27, 13.490,
191.705

■ 27, 11.208,
192.287

■ 28, 8.679, 192.879

■ 28, 5.941, 193.486

■ 29, 3.035, 194.129

Harmonies

Complementary

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



26, 20.619, 188.834



11, 35.570, 27.016

Rectangle

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



26, 20.619, 188.834



26, 20.619, 238.834



26, 20.619, 8.834



26, 20.619, 58.834

Sweetspot

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



26, 20.584, 188.826



37, 10.852, 192.804



25, 46.378, 135.467



17, 7.255, 192.693



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, 20.584, 188.826



35, 24.850, 188.524



15, 22.643, 270.689



14, 1.727, 194.226



38, 26.291, 188.447



82, 48.215, 187.884

Inverse Universe

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



11, 35.570, 27.016



17, 45.047, 32.175



17, 30.010, 55.858



13, 1.803, 15.135



19, 48.246, 33.342



47, 93.484, 38.208

Previews

White Background



This preview shows how the CIELCh color 26, 20.619, 188.834 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, 20.619, 188.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

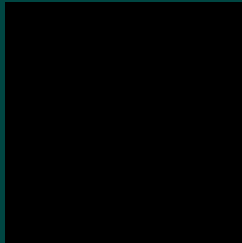
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 20.619, 188.834

Background



This preview shows how black text looks on a background with the CIELCh color 26, 20.619, 188.834.



This preview shows how white text looks on a background with the CIELCh color 26, 20.619, 188.834.

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, 20.619, 188.834

Protanopia

26, 0.787, 74.880

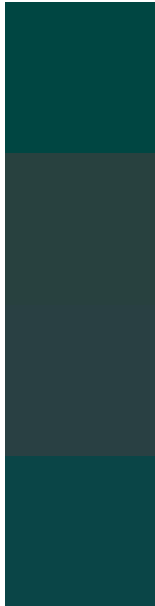
Deuteranopia

26, 5.711, 313.733



Tritanopia
26, 16.913, 208.196

Trichromacy



Original Color
26, 20.619, 188.834

Protanomaly
26, 10.314, 190.328

Deuteranomaly
25, 9.304, 210.301

Tritanomaly
26, 17.992, 200.885

Monochromacy



Original Color
26, 20.619, 188.834

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 10.395, 190.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 20.619, 188.834 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, 70, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 70, 66)  
}
```

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, 70, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 20.619, 188.834 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, 70, 66) }
```

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

```
.border{ border-color:rgb(0, 70, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 70, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 70, 66); box-shadow:4px  
4px 4px 4px rgb(0, 70, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 20.619, 188.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 70, 66) }
```

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

```
.background{ background-color: rgb(0, 70,  
66) }
```

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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