

Converting Colors

CIELCh(26, 27.287, 172.827)

Have a look what the booklet for
CIELCh(26, 27.287, 172.827)
contains.

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Color

CIELCh(27, 24.976, 170.834)

Conversions

Conversions Part 1

Format	Color
Hex	024939
RGB	2, 73, 57
RGB Percent	1%, 29%, 22%
CMY	0.9935, 0.7131, 0.7761
CMYK	0.98, 0.00, 0.22, 0.71
HSL	167°, 96%, 15%
HSV	167°, 98%, 29%
XYZ	3.1548, 5.0937, 4.7003
YIQ	49.9470, -37.1800, -20.0280

Conversions

Conversions Part 2

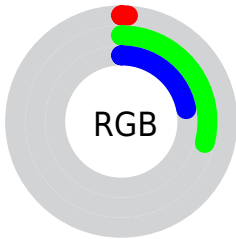
Format	Color
R_{YB}	2, 42, 73
Decimal	149817
CIE Lab	27.00, -24.66, 3.98
CIE LCh	27, 24.976, 170.834
Yxy	5.0937, 0.2436, 0.3934
Android (android.graphics.Color)	4278339897 (0xFF024939)
YUV	49.9470, 3.4771, -42.0495
Hunter-Lab	22.5692, -14.5444, 3.4505

Details

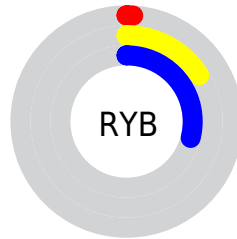
The CIELCh color **27, 24.976, 170.834** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 34.678, 19.843**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 24.772, 171.192**, and **9, 17.481, 155.090** is the 20% darker color. If you saturate the color by 10%, you get **27, 25.335, 170.557**, and if you desaturate by 10%, it is **27, 23.415, 172.171**.

Distribution



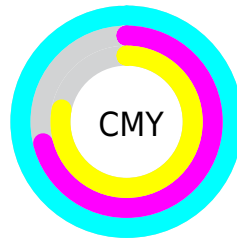
- Red (1%)
- Green (29%)
- Blue (22%)



- Red (1%)
- Yellow (16%)
- Blue (29%)



- Cyan (98%)
- Magenta (0%)
- Yellow (22%)
- Black (71%)




- Cyan (99%)
- Magenta (71%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 24.976, 170.834 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 27, 24.976, 170.834 by changing the saturation by 10% instead.

 27, 24.976,
170.834


 27, 24.976,
170.834

 100, 24.976,
170.834


 17, 24.976,
170.834

 47, 24.976,
170.834

 7, 24.976, 170.834

 57, 24.976,
170.834

 0, 24.976, 170.834

 67, 24.976,
170.834

 77, 24.976,
170.834

 87, 24.976,
170.834

 97, 24.976,

170.834

■ 27, 24.976,
170.834

■ 27, 24.976,
170.834

■ 27, 25.335,
170.557

■ 27, 23.415,
172.171

■ 27, 21.764,
173.583

■ 28, 19.785,
174.869

■ 28, 17.491,
176.045

■ 28, 14.912,
177.127

■ 29, 12.088,
178.131

■ 29, 9.065, 179.073

■ 30, 5.887, 179.969

■ 31, 2.599, 180.858

Harmonies

Complementary

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



27, 24.976, 170.834



13, 34.678, 19.843

Rectangle

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



27, 24.976, 170.834



27, 24.976, 220.834



27, 24.976, 350.834



27, 24.976, 40.834

Sweetspot

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



27, 24.976, 170.833



38, 11.647, 178.858



27, 45.927, 133.256



19, 8.024, 178.647



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 24.976, 170.833



35, 30.444, 169.800



21, 18.137, 243.717



14, 1.829, 180.783



37, 31.642, 169.661



81, 58.981, 168.135

Inverse Universe

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



13, 34.678, 19.843



18, 42.938, 23.436



15, 32.845, 43.210



13, 1.882, 2.020



19, 44.667, 23.860



48, 84.307, 28.353

Previews

White Background



This preview shows how the CIELCh color 27, 24.976, 170.834 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 27, 24.976, 170.834 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 27, 24.976, 170.834

Background



This preview shows how black text looks on a background with the CIELCh color 27, 24.976, 170.834.



This preview shows how white text looks on a background with the CIELCh color 27, 24.976, 170.834.

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
27, 24.876, 170.841

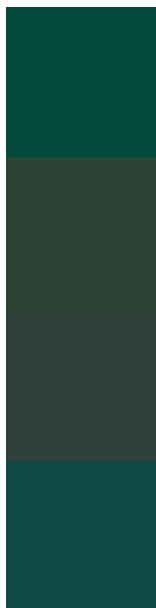
Protanopia
27, 7.368, 93.721

Deuteranopia
27, 4.831, 35.626



Tritanopia
27, 16.131, 208.837

Trichromacy



Original Color
27, 24.876, 170.841

Protanomaly
26, 13.283, 157.600

Deuteranomaly
26, 9.845, 170.004

Tritanomaly
27, 18.796, 190.515

Monochromacy



Original Color
27, 24.876, 170.841

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 11.425, 180.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 24.976, 170.834 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(2, 73, 57)` looks like.

```
.text, #text, p{  
    color:rgb(2, 73, 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(2, 73, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 73, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 24.976, 170.834 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(2, 73, 57) }
```

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

```
.border{ border-color:rgb(2, 73, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 73, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 73, 57); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 73, 57); box-shadow:4px  
4px 4px 4px rgb(2, 73, 57) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 24.976, 170.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 73, 57) }
```

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

```
.background{ background-color: rgb(2, 73,  
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](#).

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