

Converting Colors

CIELCh(26, 26.449, 201.224)

Have a look what the booklet for
CIELCh(26, 26.449, 201.224)
contains.

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Color

CIELCh(27, 19.688, 202.278)

Conversions

Conversions Part 1

Format	Color
Hex	00484B
RGB	0, 72, 75
RGB Percent	0%, 28%, 29%
CMY	1.0000, 0.7189, 0.7071
CMYK	1.00, 0.04, 0.00, 0.71
HSL	182°, 100%, 15%
HSV	182°, 100%, 29%
XYZ	3.5495, 5.0937, 7.3955
YIQ	50.8140, -43.8750, -14.3310

Conversions

Conversions Part 2

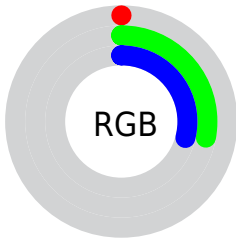
Format	Color
RYB	0, 37, 75
Decimal	18507
CIELab	27.00, -18.22, -7.46
CIELCh	27, 19.688, 202.278
Yxy	5.0937, 0.2213, 0.3176
Android (android.graphics.Color)	4278208587 (0xFF00484B)
YUV	50.8140, 11.9237, -44.5639
Hunter-Lab	22.5692, -11.4232, -3.6298

Details

The CIELCh color **27, 19.688, 202.278** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 37.654, 32.407**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 19.812, 202.537**, and **9, 10.855, 205.236** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.628, 202.303**, and if you desaturate by 10%, it is **27, 18.834, 202.047**.

Distribution



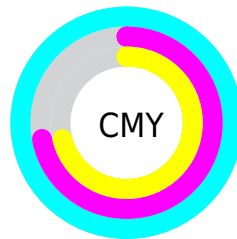
- Red (0%)
- Green (28%)
- Blue (29%)



- Red (0%)
- Yellow (15%)
- Blue (29%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (71%)





- Cyan (100%)
- Magenta (72%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 19.688, 202.278 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, 19.688, 202.278 by changing the saturation by 10% instead.

 27, 19.688,
202.278


 27, 19.688,
202.278

 100, 19.688,
202.278


 17, 19.688,
202.278


 47, 19.688,
202.278


 7, 19.688, 202.278

 57, 19.688,
202.278

 0, 19.688, 202.278

 67, 19.688,
202.278

 77, 19.688,
202.278

 87, 19.688,
202.278

 97, 19.688,

202.278

■ 27, 19.688,
202.278

■ 27, 19.688,
202.278

■ 27, 19.628,
202.303

■ 27, 18.834,
202.047

■ 28, 17.983,
201.785

■ 28, 16.793,
201.628

■ 28, 15.244,
201.578

■ 29, 13.354,
201.624

■ 29, 11.153,
201.757

■ 30, 8.676, 201.968

■ 30, 5.964, 202.251

■ 31, 3.059, 202.616

Harmonies

Complementary

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



27, 19.688, 202.278



13, 37.654, 32.407

Rectangle

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



27, 19.688, 202.278



27, 19.688, 252.278



27, 19.688, 22.278



27, 19.688, 72.278

Sweetspot

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



27, 19.628, 202.303



39, 10.724, 201.941



27, 48.404, 136.781



18, 7.166, 201.894



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, 19.628, 202.303



35, 23.431, 202.538



14, 28.734, 282.358



15, 1.747, 202.675



37, 24.281, 202.580



80, 43.790, 203.054

Inverse Universe

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



15, 46.236, 329.733



21, 55.230, 329.792



20, 31.835, 65.496



14, 3.223, 325.940



23, 57.241, 329.803



54, 103.364, 329.921

Previews

White Background



This preview shows how the CIE LCh color 27, 19.688, 202.278 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, 19.688, 202.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

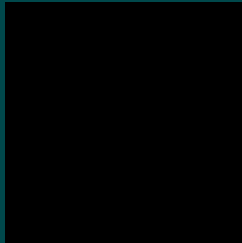
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 19.688, 202.278

Background



This preview shows how black text looks on a background with the CIELCh color 27, 19.688, 202.278.



This preview shows how white text looks on a background with the CIELCh color 27, 19.688, 202.278.

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, 19.688, 202.278

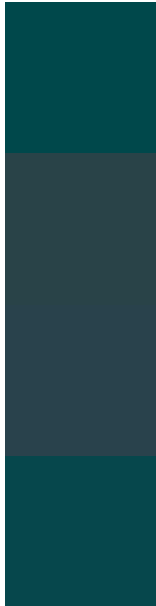
Protanopia
27, 3.904, 290.957

Deuteranopia
27, 9.137, 294.561



Tritanopia
27, 18.224, 209.339

Trichromacy



Original Color
27, 19.688, 202.278

Protanomaly
27, 10.424, 216.322

Deuteranomaly
26, 11.178, 234.264

Tritanomaly
27, 18.612, 206.916

Monochromacy



Original Color
27, 19.688, 202.278

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 10.668, 201.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 19.688, 202.278 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, 72, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 72, 75)  
}
```

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, 72, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 72, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 19.688, 202.278 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, 72, 75) }
```

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

```
.border{ border-color:rgb(0, 72, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 72, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 72, 75); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 72, 75); box-shadow:4px  
4px 4px 4px rgb(0, 72, 75) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 19.688, 202.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 72, 75) }
```

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

```
.background{ background-color: rgb(0, 72,  
75) }
```

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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