

Converting Colors

CIELCh(27, 20.407, 217.527)

Have a look what the booklet for
CIELCh(27, 20.407, 217.527)
contains.

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Color

CIELCh(27, 19.291, 218.967)

Conversions

Conversions Part 1

Format	Color
Hex	004752
RGB	0, 71, 82
RGB Percent	0%, 28%, 32%
CMY	1.0000, 0.7221, 0.6790
CMYK	1.00, 0.13, 0.00, 0.68
HSL	188°, 100%, 16%
HSV	188°, 100%, 32%
XYZ	3.7586, 5.0937, 8.7386
YIQ	51.0250, -45.8470, -11.6310

Conversions

Conversions Part 2

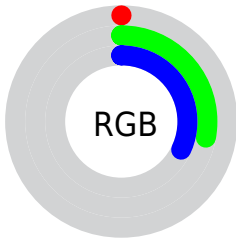
Format	Color
RYB	0, 38, 82
Decimal	18258
CIELab	27.00, -15.00, -12.13
CIELCh	27, 19.291, 218.967
Yxy	5.0937, 0.2137, 0.2896
Android (android.graphics.Color)	4278208338 (0xFF004752)
YUV	51.0250, 15.2707, -44.7489
Hunter-Lab	22.5692, -9.7694, -7.1582

Details

The CIELCh color **27, 19.291, 218.967** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 39.543, 37.460**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 19.208, 217.609**, and **9, 11.482, 233.925** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.266, 218.999**, and if you desaturate by 10%, it is **28, 18.552, 217.485**.

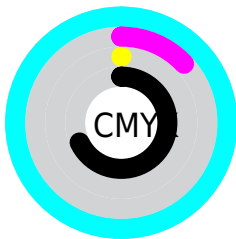
Distribution



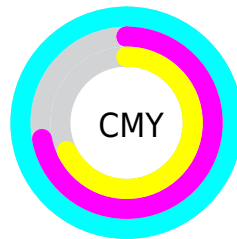
- Red (0%)
- Green (28%)
- Blue (32%)



- Red (0%)
- Yellow (15%)
- Blue (32%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (68%)





- Cyan (100%)
- Magenta (72%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 19.291, 218.967 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, 19.291, 218.967 by changing the saturation by 10% instead.

 27, 19.291,
218.967


 27, 19.291,
218.967

 100, 19.291,
218.967


 17, 19.291,
218.967

 47, 19.291,
218.967


 7, 19.291, 218.967

 57, 19.291,
218.967

 0, 19.291, 218.967

 67, 19.291,
218.967

 77, 19.291,
218.967

 87, 19.291,
218.967

 97, 19.291,

218.967

■ 27, 19.291,
218.967

■ 27, 19.291,
218.967

■ 27, 19.266,
218.999

■ 28, 18.552,
217.485

■ 28, 17.760,
215.975

■ 29, 16.613,
214.779

■ 29, 15.099,
213.865

■ 30, 13.239,
213.192

■ 31, 11.063,
212.721

■ 32, 8.610, 212.417

■ 33, 5.922, 212.257

■ 34, 3.040, 212.236

Harmonies

Complementary

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



27, 19.291, 218.967



16, 39.543, 37.460

Rectangle

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



27, 19.291, 218.967



27, 19.291, 268.967



27, 19.291, 38.967



27, 19.291, 88.967

Sweetspot

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



27, 19.266, 218.999



42, 10.712, 212.443



30, 49.252, 138.648



20, 7.163, 212.504



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 19.266, 218.999



36, 23.179, 219.924



13, 37.037, 291.095



16, 1.699, 212.248



35, 22.792, 219.848



75, 40.729, 221.724

Inverse Universe

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



17, 45.961, 333.844



23, 55.221, 334.074



24, 35.168, 74.897



15, 3.191, 328.775



23, 54.304, 334.055



53, 96.719, 334.523

Previews

White Background



This preview shows how the CIELCh color 27, 19.291, 218.967 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, 19.291, 218.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

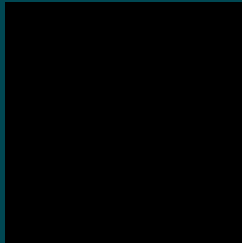
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 19.291, 218.967

Background



This preview shows how black text looks on a background with the CIELCh color 27, 19.291, 218.967.



This preview shows how white text looks on a background with the CIELCh color 27, 19.291, 218.967.

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, 19.291, 218.967

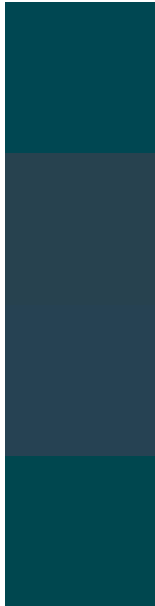
Protanopia
27, 8.516, 283.541

Deuteranopia
27, 13.691, 287.943



Tritanopia
27, 19.253, 208.523

Trichromacy



Original Color
27, 19.291, 218.967

Protanomaly
26, 12.636, 240.861

Deuteranomaly
27, 14.405, 249.301

Tritanomaly
27, 19.199, 212.701

Monochromacy



Original Color
27, 19.291, 218.967

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 10.350, 212.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 19.291, 218.967 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 19.291, 218.967 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, 82) }
```

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

```
.border{ border-color:rgb(0, 71, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 71, 82); box-shadow:4px  
4px 4px 4px rgb(0, 71, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 19.291, 218.967 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, 82) }
```

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

```
.background{ background-color: rgb(0, 71,  
82) }
```

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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