

Converting Colors

CIELCh(27, 19.778, 197.227)

Have a look what the booklet for
CIELCh(27, 19.778, 197.227)
contains.

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Color

CIELCh(27, 19.883, 196.421)

Conversions

Conversions Part 1

Format	Color
Hex	024848
RGB	2, 72, 72
RGB Percent	1%, 28%, 28%
CMY	0.9930, 0.7182, 0.7182
CMYK	0.98, 0.00, 0.00, 0.72
HSL	180°, 95%, 14%
HSV	180°, 98%, 28%
XYZ	3.4954, 5.0937, 6.9057
YIQ	51.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

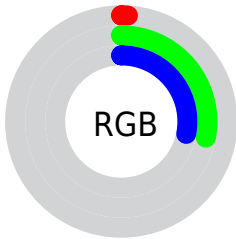
Format	Color
R_{YB}	2, 37, 72
Decimal	149576
CIE Lab	27.00, -19.07, -5.62
CIE LCh	27, 19.883, 196.421
Yxy	5.0937, 0.2256, 0.3287
Android (android.graphics.Color)	4278339656 (0xFF024848)
YUV	51.0700, 10.3185, -43.0344
Hunter-Lab	22.5692, -11.8512, -2.3430

Details

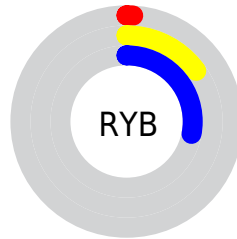
The CIELCh color **27, 19.883, 196.421** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 36.336, 30.019**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 19.915, 195.566**, and **9, 10.987, 197.274** is the 20% darker color. If you saturate the color by 10%, you get **27, 20.103, 196.389**, and if you desaturate by 10%, it is **27, 19.005, 196.545**.

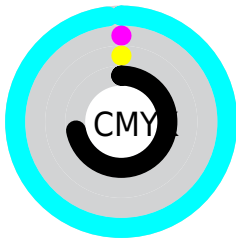
Distribution



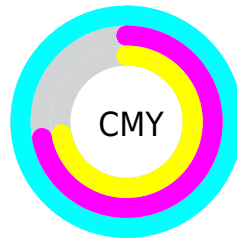
- Red (1%)
- Green (28%)
- Blue (28%)



- Red (1%)
- Yellow (15%)
- Blue (28%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (72%)





- Cyan (99%)
- Magenta (72%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 19.883, 196.421 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, 19.883, 196.421 by changing the saturation by 10% instead.

 27, 19.883,
196.421


 27, 19.883,
196.421

 100, 19.883,
196.421


 17, 19.883,
196.421


 47, 19.883,
196.421


 7, 19.883, 196.421

 57, 19.883,
196.421

 0, 19.883, 196.421

 67, 19.883,
196.421

 77, 19.883,
196.421

 87, 19.883,
196.421

 97, 19.883,

196.421

■ 27, 19.883,
196.421

■ 27, 19.883,
196.421

■ 27, 20.103,
196.389

■ 27, 19.005,
196.545

■ 27, 18.015,
196.688

■ 27, 16.678,
196.882

■ 28, 14.995,
197.129

■ 28, 12.984,
197.428

■ 28, 10.675,
197.778

■ 29, 8.103, 198.176

■ 29, 5.310, 198.623

■ 30, 2.335, 199.152

Harmonies

Complementary

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



27, 19.883, 196.421



12, 36.336, 30.019

Rectangle

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



27, 19.883, 196.421



27, 19.883, 246.421



27, 19.883, 16.421



27, 19.883, 66.421

Sweetspot

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



27, 19.883, 196.420



38, 10.608, 198.066



26, 47.102, 136.392



19, 7.285, 197.975



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, 19.883, 196.420



36, 24.214, 196.389



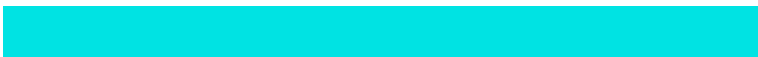
14, 25.518, 278.011



14, 1.715, 199.088



38, 25.122, 196.389



82, 45.888, 196.389

Inverse Universe

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



15, 45.644, 328.180



21, 55.839, 328.233



19, 30.036, 62.667



13, 3.122, 324.835



22, 57.932, 328.233



54, 105.821, 328.233

Previews

White Background



This preview shows how the CIELCh color 27, 19.883, 196.421 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, 19.883, 196.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

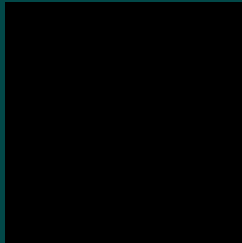
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 19.883, 196.421

Background



This preview shows how black text looks on a background with the CIELCh color 27, 19.883, 196.421.



This preview shows how white text looks on a background with the CIELCh color 27, 19.883, 196.421.

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, 19.883, 196.421

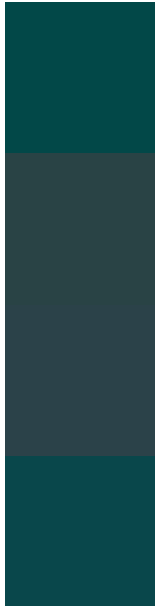
Protanopia
27, 1.954, 290.581

Deuteranopia
27, 7.297, 301.624



Tritanopia
27, 17.748, 209.744

Trichromacy



Original Color
27, 19.883, 196.421

Protanomaly
26, 10.276, 205.176

Deuteranomaly
26, 9.844, 226.063

Tritanomaly
27, 18.333, 204.990

Monochromacy



Original Color
27, 19.883, 196.421

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 10.426, 197.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 19.883, 196.421 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, 72, 72)` looks like.

```
.text, #text, p{  
    color:rgb(2, 72, 72)  
}
```

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, 72, 72) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 27, 19.883, 196.421 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, 72, 72) }
```

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

```
.border{ border-color:rgb(2, 72, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 72, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 72, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 72, 72); box-shadow:4px  
4px 4px 4px rgb(2, 72, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 19.883, 196.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 72, 72) }
```

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

```
.background{ background-color: rgb(2, 72,  
72) }
```

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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