

Converting Colors

CIELCh(27, 16.917, 170.463)

Have a look what the booklet for
CIELCh(27, 16.917, 170.463)
contains.

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Color

CIELCh(27, 17.252, 169.753)

Conversions

Conversions Part 1

Format	Color
Hex	21473B
RGB	33, 71, 59
RGB Percent	13%, 28%, 23%
CMY	0.8719, 0.7229, 0.7699
CMYK	0.54, 0.00, 0.17, 0.72
HSL	161°, 37%, 20%
HSV	161°, 54%, 28%
XYZ	3.6292, 5.0937, 4.8855
YIQ	58.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

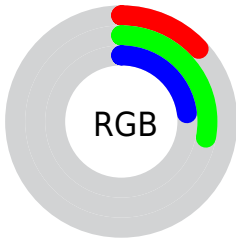
Format	Color
R_{YB}	33, 56, 71
Decimal	2180923
CIE _{Lab}	27.00, -16.98, 3.07
CIE _{LCh}	27, 17.252, 169.753
Yxy	5.0937, 0.2667, 0.3743
Android (android.graphics.Color)	4280371003 (0xFF21473B)
YUV	58.2700, 0.3599, -22.1618
Hunter-Lab	22.5692, -10.7929, 2.9640

Details

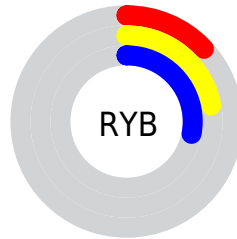
The CIELCh color **27, 17.252, 169.753** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 19.739, 1.120**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 17.627, 169.422**, and **8, 13.358, 162.738** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.907, 168.505**, and if you desaturate by 10%, it is **27, 14.360, 170.888**.

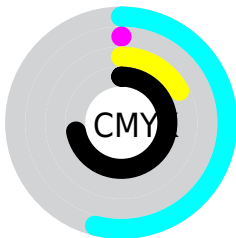
Distribution



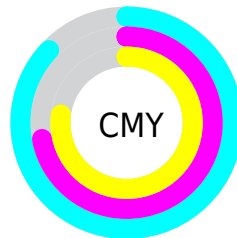
- Red (13%)
- Green (28%)
- Blue (23%)



- Red (13%)
- Yellow (22%)
- Blue (28%)



- Cyan (54%)
- Magenta (0%)
- Yellow (17%)
- Black (72%)





- Cyan (87%)
- Magenta (72%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 17.252, 169.753 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, 17.252, 169.753 by changing the saturation by 10% instead.

 27, 17.252,
169.753


 27, 17.252,
169.753

 100, 17.252,
169.753


 17, 17.252,
169.753


 47, 17.252,
169.753


 7, 17.252, 169.753

 57, 17.252,
169.753

 0, 17.252, 169.753

 67, 17.252,
169.753

 77, 17.252,
169.753

 87, 17.252,
169.753

 97, 17.252,

169.753

■ 27, 17.252,
169.753

■ 27, 17.252,
169.753

■ 27, 19.907,
168.505

■ 27, 14.360,
170.888

■ 26, 22.285,
167.131

■ 28, 11.273,
171.930

■ 26, 24.360,
165.610

■ 28, 8.038, 172.897

■ 26, 26.238,
164.065

■ 29, 4.698, 173.808

■ 30, 1.293, 174.768

■ 26, 27.430,
163.219

■ 30, 2.142, 355.275

■ 31, 5.580, 356.085

■ 32, 8.998, 356.809

■ 33, 12.379,
357.493

Harmonies

Complementary

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



27, 17.252, 169.753



18, 19.739, 1.120

Rectangle

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



27, 17.252, 169.753



27, 17.252, 219.753



27, 17.252, 349.753



27, 17.252, 39.753

Sweetspot

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



27, 17.252, 169.752



38, 6.765, 173.551



27, 26.835, 132.820



18, 4.498, 173.478



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 17.252, 169.752



35, 24.912, 167.999



25, 12.112, 220.205



14, 1.922, 174.274



37, 35.296, 162.060



80, 66.293, 160.331

Inverse Universe

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



18, 19.739, 1.120



22, 29.350, 3.867



20, 17.405, 38.292



13, 1.963, 355.541



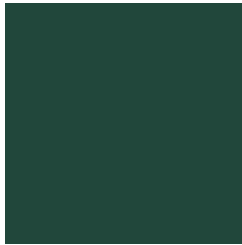
19, 43.000, 16.046



48, 80.054, 20.536

Previews

White Background



This preview shows how the CIE LCh color 27, 17.252, 169.753 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, 17.252, 169.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

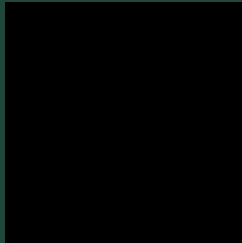
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 17.252, 169.753

Background



This preview shows how black text looks on a background with the CIELCh color 27, 17.252, 169.753.



This preview shows how white text looks on a background with the CIELCh color 27, 17.252, 169.753.

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, 17.252, 169.753

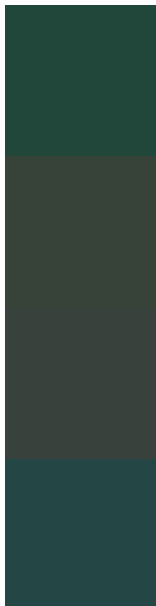
Protanopia
27, 5.522, 89.127

Deuteranopia
27, 4.616, 20.178



Tritanopia
27, 11.924, 213.679

Trichromacy



Original Color
27, 17.252, 169.753

Protanomaly
27, 8.237, 146.082

Deuteranomaly
27, 4.872, 156.703

Tritanomaly
27, 13.218, 191.634

Monochromacy



Original Color
27, 17.252, 169.753

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 7.035, 170.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 17.252, 169.753 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(33, 71, 59)` looks like.

```
.text, #text, p{  
    color:rgb(33, 71, 59)  
}
```

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(33, 71, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 71, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 17.252, 169.753 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(33, 71, 59) }
```

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

```
.border{ border-color:rgb(33, 71, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 71, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 71, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 71, 59);  
box-shadow:4px 4px 4px 4px rgb(33, 71, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 17.252, 169.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 71, 59) }
```

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

```
.background{ background-color: rgb(33, 71,  
59) }
```

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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