

Converting Colors

CIELCh(27, 16.796, 169.389)

Have a look what the booklet for
CIELCh(27, 16.796, 169.389)
contains.

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Color

CIELCh(27, 16.334, 170.727)

Conversions

Conversions Part 1

Format	Color
Hex	22463B
RGB	34, 70, 59
RGB Percent	13%, 27%, 23%
CMY	0.8652, 0.7240, 0.7672
CMYK	0.51, 0.00, 0.16, 0.72
HSL	162°, 34%, 21%
HSV	162°, 51%, 28%
XYZ	3.6848, 5.0937, 4.9762
YIQ	57.9820, -17.9250, -11.0530

Conversions

Conversions Part 2

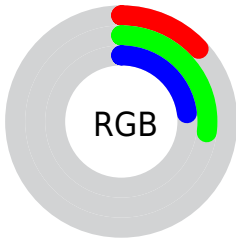
Format	Color
R_{YB}	34, 55, 70
Decimal	2246203
CIE _{Lab}	27.00, -16.12, 2.63
CIE _{LCh}	27, 16.334, 170.727
Yxy	5.0937, 0.2679, 0.3703
Android (android.graphics.Color)	4280436283 (0xFF22463B)
YUV	57.9820, 0.5019, -21.0322
Hunter-Lab	22.5692, -10.3527, 2.7258

Details

The CIELCh color **27, 16.334, 170.727** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 18.664, 1.357**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 16.709, 170.095**, and **8, 13.358, 162.738** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.015, 169.519**, and if you desaturate by 10%, it is **27, 13.426, 171.829**.

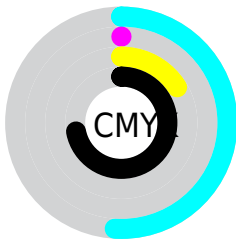
Distribution



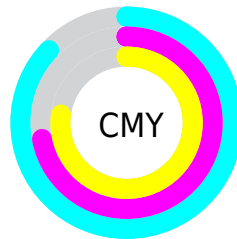
- Red (13%)
- Green (27%)
- Blue (23%)



- Red (13%)
- Yellow (22%)
- Blue (27%)



- Cyan (51%)
- Magenta (0%)
- Yellow (16%)
- Black (72%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 16.334, 170.727 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, 16.334, 170.727 by changing the saturation by 10% instead.

 27, 16.334,
170.727


 27, 16.334,
170.727

 100, 16.334,
170.727


 17, 16.334,
170.727


 47, 16.334,
170.727


 7, 16.334, 170.727


 57, 16.334,
170.727

 0, 16.334, 170.727

 67, 16.334,
170.727

 77, 16.334,
170.727

 87, 16.334,
170.727

 97, 16.334,

170.727

■ 27, 16.334,
170.727

■ 27, 16.334,
170.727

■ 27, 19.015,
169.519

■ 27, 13.426,
171.829

■ 26, 21.428,
168.191

■ 28, 10.333,
172.845

■ 26, 23.543,
166.724

■ 28, 7.102, 173.792

■ 29, 3.775, 174.694

■ 26, 25.400,
165.164

■ 30, 0.391, 176.034

■ 26, 27.055,
163.947

■ 31, 3.020, 356.156

■ 31, 6.428, 356.933

■ 32, 9.814, 357.648

■ 33, 13.161,
358.327

Harmonies

Complementary

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



27, 16.334, 170.727



19, 18.664, 1.357

Rectangle

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



27, 16.334, 170.727



27, 16.334, 220.727



27, 16.334, 350.727



27, 16.334, 40.727

Sweetspot

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



27, 16.334, 170.726



38, 6.310, 174.295



27, 25.506, 132.946



18, 4.239, 174.211



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, 16.334, 170.726



35, 23.483, 169.224



25, 11.621, 219.949



14, 1.911, 174.925



37, 34.899, 162.783



80, 65.501, 161.069

Inverse Universe

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



19, 18.664, 1.357



23, 27.631, 3.670



20, 16.345, 38.155



13, 1.954, 356.192



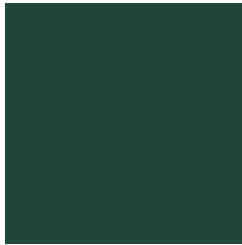
19, 43.130, 16.894



48, 80.420, 21.406

Previews

White Background



This preview shows how the CIELCh color 27, 16.334, 170.727 looks on a white background.

Color Contrast Check

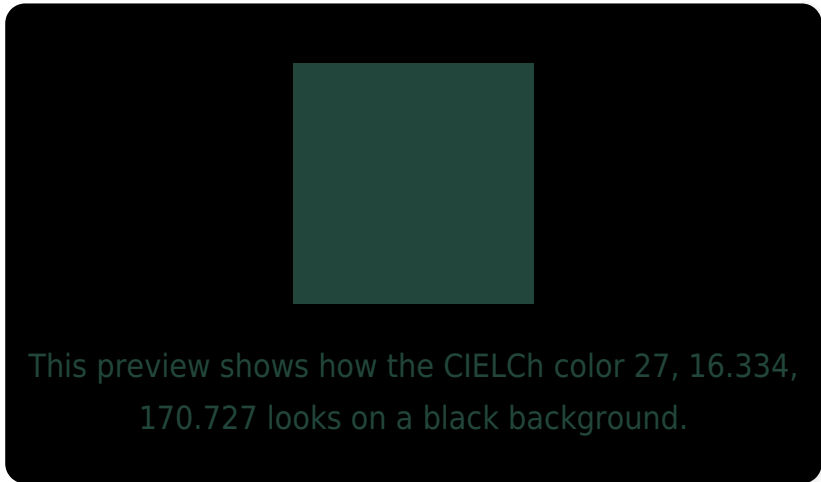
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

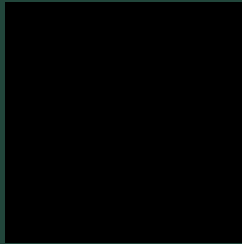
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 16.334, 170.727

Background



This preview shows how black text looks on a background with the CIELCh color 27, 16.334, 170.727.



This preview shows how white text looks on a background with the CIELCh color 27, 16.334, 170.727.

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, 16.334, 170.727

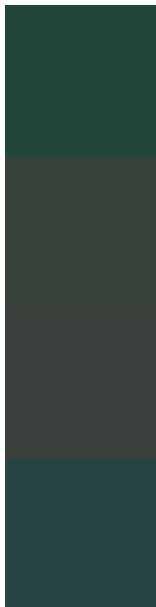
Protanopia
27, 4.913, 86.770

Deuteranopia
27, 4.616, 20.178



Tritanopia
27, 11.438, 217.993

Trichromacy



Original Color
27, 16.334, 170.727

Protanomaly
27, 7.719, 148.939

Deuteranomaly
26, 3.774, 155.118

Tritanomaly
27, 12.326, 197.475

Monochromacy



Original Color
27, 16.334, 170.727

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, 16.334, 170.727 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(34, 70, 59)` looks like.

```
.text, #text, p{  
    color:rgb(34, 70, 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(34, 70, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 70, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 16.334, 170.727 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(34, 70, 59) }
```

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

```
.border{ border-color:rgb(34, 70, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 70, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 70, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 70, 59);  
box-shadow:4px 4px 4px 4px rgb(34, 70, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 16.334, 170.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 70, 59) }
```

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

```
.background{ background-color: rgb(34, 70,  
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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