

Converting Colors

CIELCh(27, 27.233, 159.249)

Have a look what the booklet for
CIELCh(27, 27.233, 159.249)
contains.

CIELCh(27, 27.335, 159.137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 27.335, 159.137)

Conversions

Conversions Part 1

Format	Color
Hex	0D4930
RGB	13, 73, 48
RGB Percent	5%, 29%, 19%
CMY	0.9479, 0.7129, 0.8110
CMYK	0.82, 0.00, 0.34, 0.71
HSL	155°, 69%, 17%
HSV	155°, 82%, 29%
XYZ	3.1030, 5.0937, 3.6357
YIQ	52.2100, -27.7350, -20.4950

Conversions

Conversions Part 2

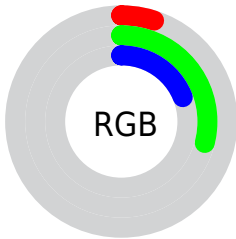
Format	Color
RYB	13, 51, 73
Decimal	870704
CIELab	27.00, -25.54, 9.73
CIELCh	27, 27.335, 159.137
Yxy	5.0937, 0.2622, 0.4305
Android (android.graphics.Color)	4279060784 (0xFF0D4930)
YUV	52.2100, -2.0755, -34.3872
Hunter-Lab	22.5692, -14.9547, 6.2473

Details

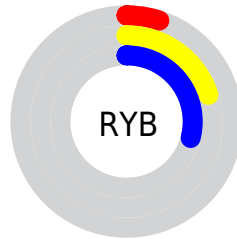
The CIELCh color **27, 27.335, 159.137** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **15, 30.030, 359.674**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 27.243, 159.203**, and **9, 22.100, 144.361** is the 20% darker color. If you saturate the color by 10%, you get **27, 29.646, 157.458**, and if you desaturate by 10%, it is **27, 24.760, 160.718**.

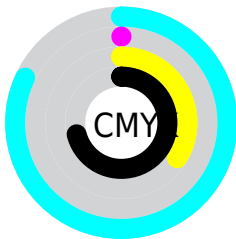
Distribution



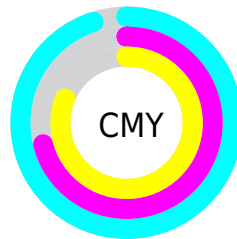
- Red (5%)
- Green (29%)
- Blue (19%)



- Red (5%)
- Yellow (20%)
- Blue (29%)



- Cyan (82%)
- Magenta (0%)
- Yellow (34%)
- Black (71%)





- Cyan (95%)
- Magenta (71%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 27.335, 159.137 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, 27.335, 159.137 by changing the saturation by 10% instead.

 27, 27.335,
159.137


 27, 27.335,
159.137

 100, 27.335,
159.137


 17, 27.335,
159.137


 47, 27.335,
159.137


 7, 27.335, 159.137

 57, 27.335,
159.137

 0, 27.335, 159.137

 67, 27.335,
159.137

 77, 27.335,
159.137

 87, 27.335,
159.137

 97, 27.335,

159.137

■ 27, 27.335,
159.137

■ 27, 27.335,
159.137

■ 27, 29.646,
157.458

■ 27, 24.760,
160.718

■ 27, 31.533,
156.263

■ 28, 21.882,
162.140

■ 28, 18.737,
163.417

■ 28, 15.372,
164.568

■ 29, 11.838,
165.611

■ 30, 8.183, 166.565

■ 30, 4.455, 167.453

■ 31, 0.695, 168.512

■ 32, 3.065, 348.880

Harmonies

Complementary

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



27, 27.335, 159.137



15, 30.030, 359.674

Rectangle

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



27, 27.335, 159.137



27, 27.335, 209.137



27, 27.335, 339.137



27, 27.335, 29.137

Sweetspot

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



27, 27.335, 159.137



38, 11.524, 166.185



27, 38.406, 128.534



19, 7.917, 166.015



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, 27.335, 159.137



35, 37.629, 155.674



26, 17.414, 205.541



14, 2.052, 167.742



37, 39.696, 155.176



80, 75.011, 153.362

Inverse Universe

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



15, 30.030, 359.674



18, 40.302, 5.761



15, 31.222, 32.996



13, 2.083, 348.964



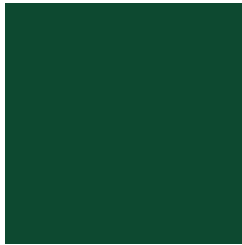
19, 42.320, 6.736



48, 77.537, 10.721

Previews

White Background



This preview shows how the CIELCh color 27, 27.335, 159.137 looks on a white background.

Color Contrast Check

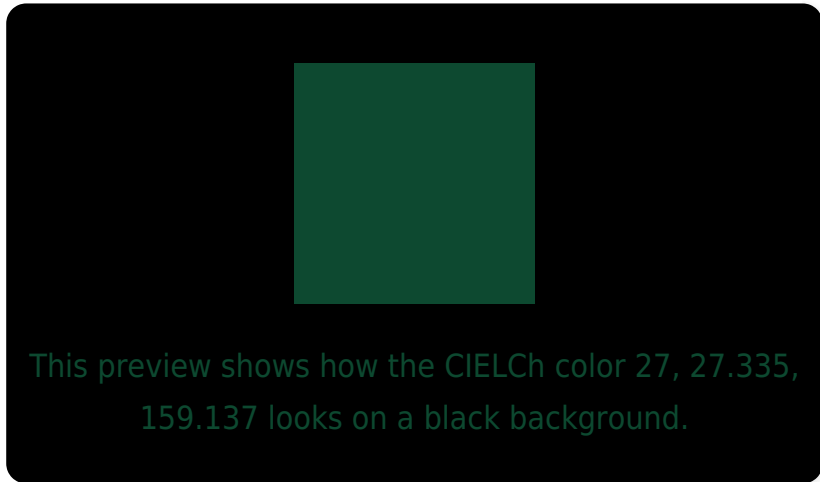
Large Text (above 18pt) WCAG AA ✓ Pass

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

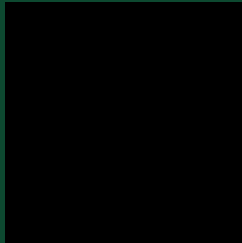
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 27.335, 159.137

Background



This preview shows how black text looks on a background with the CIELCh color 27, 27.335, 159.137.



This preview shows how white text looks on a background with the CIELCh color 27, 27.335, 159.137.

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, 27.335, 159.137

Protanopia
27, 13.122, 96.643

Deuteranopia
27, 9.140, 64.946



Tritanopia
27, 14.814, 210.090

Trichromacy



Original Color
27, 27.335, 159.137

Protanomaly
26, 15.980, 138.949

Deuteranomaly
26, 11.502, 139.686

Tritanomaly
27, 17.798, 183.845

Monochromacy



Original Color
27, 27.335, 159.137

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 11.425, 165.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 27.335, 159.137 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(13, 73, 48)` looks like.

```
.text, #text, p{  
    color:rgb(13, 73, 48)  
}
```

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(13, 73, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 73, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 27.335, 159.137 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(13, 73, 48) }
```

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

```
.border{ border-color:rgb(13, 73, 48) }
```

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

Here you see how a box with a 4 pixel rgb(13, 73, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 73, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 73, 48);  
box-shadow:4px 4px 4px 4px rgb(13, 73, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 27.335, 159.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 73, 48) }
```

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

```
.background{ background-color: rgb(13, 73,  
48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor