

Converting Colors

CIELCh(19, 13.679, 167.719)

Have a look what the booklet for
CIELCh(19, 13.679, 167.719)
contains.

CIELCh(19, 13.238, 169.000)	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(19, 13.238, 169.000)

Conversions

Conversions Part 1

Format	Color
Hex	18332A
RGB	24, 51, 42
RGB Percent	9%, 20%, 16%
CMY	0.9052, 0.7993, 0.8347
CMYK	0.53, 0.00, 0.18, 0.80
HSL	160°, 36%, 15%
HSV	160°, 53%, 20%
XYZ	1.9926, 2.7468, 2.6307
YIQ	41.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

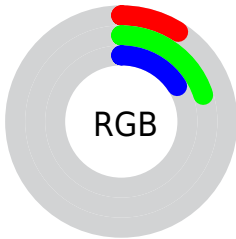
Format	Color
R_YB	24, 40, 51
Decimal	1585962
CIE Lab	19.00, -12.99, 2.53
CIE LCh	19, 13.238, 169.000
Yxy	2.7468, 0.2704, 0.3727
Android (android.graphics.Color)	4279776042 (0xFF18332A)
YUV	41.9010, 0.0488, -15.6992
Hunter-Lab	16.5735, -7.5434, 2.1903

Details

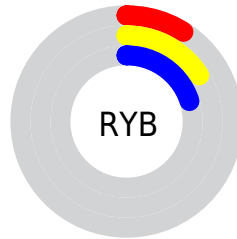
The CIELCh color **19, 13.238, 169.000** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 14.861, 359.134**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.620, 168.030**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.395, 167.863**, and if you desaturate by 10%, it is **19, 10.926, 170.039**.

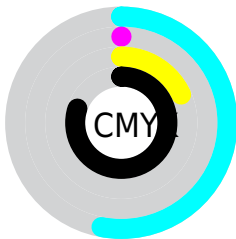
Distribution



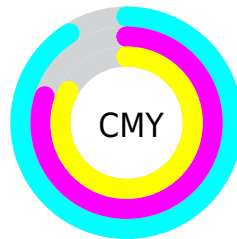
- Red (9%)
- Green (20%)
- Blue (16%)



- Red (9%)
- Yellow (16%)
- Blue (20%)



- Cyan (53%)
- Magenta (0%)
- Yellow (18%)
- Black (80%)



- Cyan (91%)
- Magenta (80%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.238, 169.000 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 19, 13.238, 169.000 by changing the saturation by 10% instead.

■ 19, 13.238,
169.000

■ 19, 13.238,
169.000

■ 100, 13.238,
169.000

■ 9, 13.238, 169.000

■ 39, 13.238,
169.000

■ 0, 13.238, 169.000

■ 49, 13.238,
169.000


■ 59, 13.238,
169.000


■ 69, 13.238,
169.000


■ 79, 13.238,
169.000


■ 89, 13.238,


169.000


 99, 13.238,
169.000

 19, 13.238,
169.000


 19, 13.238,
169.000

 19, 15.395,
167.863

 19, 10.926,
170.039


 18, 17.368,
166.619

 20, 8.489, 171.000


 18, 19.142,
165.261

 20, 5.959, 171.895

 21, 3.364, 172.745

 18, 20.898,
164.061

 21, 0.731, 173.713

 18, 22.208,
163.344

 22, 1.918, 354.105

■ 22, 4.564, 354.854

■ 23, 7.193, 355.529

■ 24, 9.792, 356.168

Harmonies

Complementary

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



19, 13.238, 169.000



12, 14.861, 359.134

Rectangle

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



19, 13.238, 169.000



19, 13.238, 219.000



19, 13.238, 349.000



19, 13.238, 39.000

Sweetspot

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



19, 13.238, 168.999



27, 5.226, 172.404



19, 19.970, 132.003



12, 3.451, 172.388



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 13.238, 168.999



25, 19.031, 167.443



18, 9.404, 215.206



9, 1.454, 173.133



33, 33.261, 161.059



77, 65.436, 159.035

Inverse Universe

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



12, 14.861, 359.134



15, 21.926, 1.386



13, 13.128, 35.191



8, 1.481, 354.232



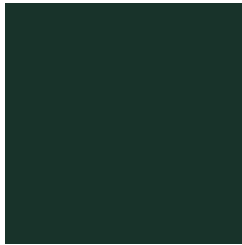
17, 39.589, 13.570



46, 76.655, 18.676

Previews

White Background



This preview shows how the CIE LCh color 19, 13.238, 169.000 looks on a white background.

Color Contrast Check

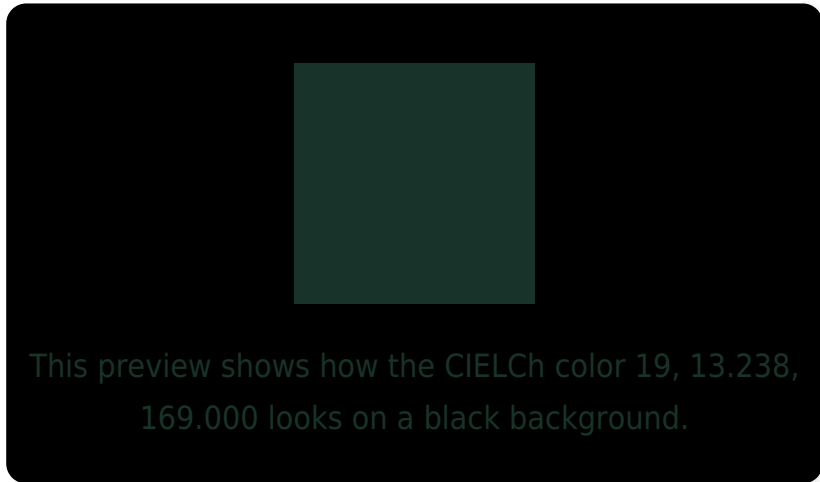
Large Text (above 18pt) WCAG AA ✓ Pass

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

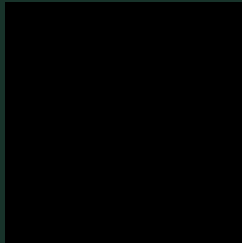
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.238, 169.000

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.238, 169.000.



This preview shows how white text looks on a background with the CIELCh color 19, 13.238, 169.000.

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
19, 13.238, 169.000

Protanopia
19, 4.209, 95.586

Deuteranopia
19, 2.989, 33.105



Tritanopia
19, 9.106, 215.486

Trichromacy



Original Color
19, 13.238, 169.000

Protanomaly
19, 6.455, 150.266

Deuteranomaly
19, 3.969, 154.934

Tritanomaly
19, 9.454, 197.581

Monochromacy



Original Color
19, 13.238, 169.000

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 4.707, 172.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.238, 169.000 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(24, 51, 42)` looks like.

```
.text, #text, p{  
    color:rgb(24, 51, 42)  
}
```

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(24, 51, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 51, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.238, 169.000 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(24, 51, 42) }
```

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

```
.border{ border-color:rgb(24, 51, 42) }
```

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

Here you see how a box with a 4 pixel rgb(24, 51, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 51, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 51, 42);  
box-shadow:4px 4px 4px 4px rgb(24, 51, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.238, 169.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 51, 42) }
```

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

```
.background{ background-color: rgb(24, 51,  
42) }
```

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