

Converting Colors

CIELCh(19, 12.930, 157.461)

Have a look what the booklet for
CIELCh(19, 12.930, 157.461)
contains.

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Color

CIELCh(19, 13.007, 157.896)

Conversions

Conversions Part 1

Format	Color
Hex	1D3327
RGB	29, 51, 39
RGB Percent	11%, 20%, 15%
CMY	0.8873, 0.8010, 0.8481
CMYK	0.43, 0.00, 0.24, 0.80
HSL	147°, 28%, 16%
HSV	147°, 43%, 20%
XYZ	2.0338, 2.7468, 2.3205
YIQ	43.0540, -9.2600, -8.3960

Conversions

Conversions Part 2

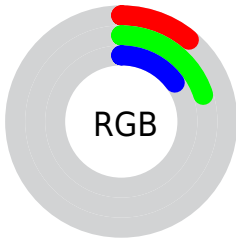
Format	Color
R_YB	29, 44, 51
Decimal	1913639
CIE Lab	19.00, -12.05, 4.89
CIE LCh	19, 13.007, 157.896
Yxy	2.7468, 0.2864, 0.3868
Android (android.graphics.Color)	4280103719 (0xFF1D3327)
YUV	43.0540, -1.9986, -12.3254
Hunter-Lab	16.5735, -7.0997, 3.3001

Details

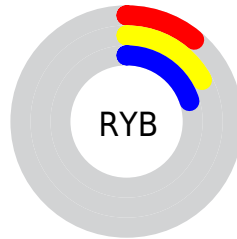
The CIELCh color **19, 13.007, 157.896** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 13.456, 344.608**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.218, 157.510**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.844, 156.868**, and if you desaturate by 10%, it is **19, 10.073, 158.820**.

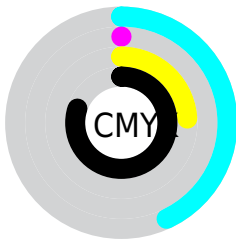
Distribution



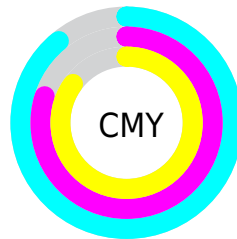
- Red (11%)
- Green (20%)
- Blue (15%)



- Red (11%)
- Yellow (17%)
- Blue (20%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (80%)



- Cyan (89%)
- Magenta (80%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.007, 157.896 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, 13.007, 157.896 by changing the saturation by 10% instead.

■ 19, 13.007,
157.896

■ 19, 13.007,
157.896

■ 100, 13.007,
157.896

■ 9, 13.007, 157.896

■ 39, 13.007,
157.896

■ 0, 13.007, 157.896

■ 49, 13.007,
157.896


■ 59, 13.007,
157.896


■ 69, 13.007,
157.896


■ 79, 13.007,
157.896


■ 89, 13.007,


157.896


 99, 13.007,
157.896

 19, 13.007,
157.896


 19, 13.007,
157.896

 19, 15.844,
156.868

 19, 10.073,
158.820


 18, 18.544,
155.724

 20, 7.075, 159.658


 18, 21.074,
154.450

 20, 4.045, 160.428

 21, 1.010, 161.227

 18, 23.414,
153.057

 22, 2.008, 341.634

 18, 25.735,
151.889

 22, 4.990, 342.260

■ 17, 27.302,
151.273

■ 23, 7.924, 342.810

■ 24, 10.799,
343.316

■ 24, 13.610,
343.789

Harmonies

Complementary

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



19, 13.007, 157.896



14, 13.456, 344.608

Rectangle

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



19, 13.007, 157.896



19, 13.007, 207.896



19, 13.007, 337.896



19, 13.007, 27.896

Sweetspot

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



19, 13.007, 157.895



27, 4.932, 160.402



20, 15.511, 125.553



12, 3.376, 160.353



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, 13.007, 157.895



25, 19.296, 156.711



19, 9.244, 192.915



9, 1.679, 160.810



33, 41.692, 148.802



76, 82.852, 146.730

Inverse Universe

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



14, 13.456, 344.608



18, 20.063, 345.751



14, 11.621, 18.979



8, 1.694, 341.781



17, 40.245, 354.900



47, 75.636, 358.220

Previews

White Background



This preview shows how the CIELCh color 19, 13.007, 157.896 looks on a white background.

Color Contrast Check

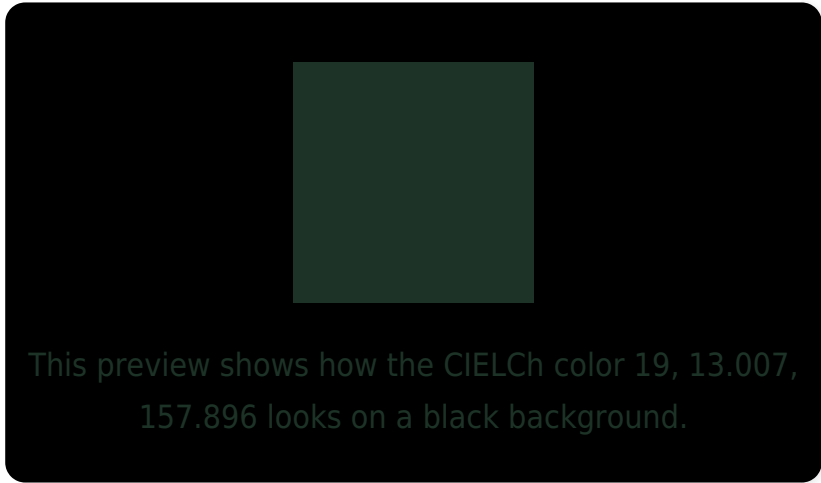
Large Text (above 18pt) WCAG AA ✓ Pass

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

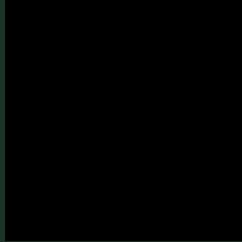
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.007, 157.896

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.007, 157.896.



This preview shows how white text looks on a background with the CIELCh color 19, 13.007, 157.896.

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

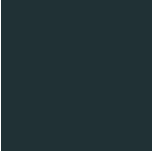
19, 13.007, 157.896

Protanopia

19, 6.982, 95.880

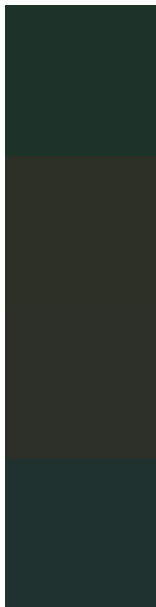
Deuteranopia

19, 5.291, 51.124



Tritanopia
19, 7.467, 219.855

Trichromacy



Original Color
19, 13.007, 157.896

Protanomaly
19, 8.057, 129.807

Deuteranomaly
19, 4.226, 122.478

Tritanomaly
19, 8.325, 188.240

Monochromacy



Original Color
19, 13.007, 157.896

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.153, 156.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.007, 157.896 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(29, 51, 39)` looks like.

```
.text, #text, p{  
    color:rgb(29, 51, 39)  
}
```

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(29, 51, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 51, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.007, 157.896 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(29, 51, 39) }
```

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

```
.border{ border-color:rgb(29, 51, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 51, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 51, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 51, 39);  
box-shadow:4px 4px 4px 4px rgb(29, 51, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.007, 157.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 51, 39) }
```

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

```
.background{ background-color: rgb(29, 51,  
39) }
```

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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