

Converting Colors

CIELCh(19, 13.088, 156.310)

Have a look what the booklet for
CIELCh(19, 13.088, 156.310)
contains.

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Color

CIELCh(19, 13.491, 155.771)

Conversions

Conversions Part 1

Format	Color
Hex	1D3326
RGB	29, 51, 38
RGB Percent	11%, 20%, 15%
CMY	0.8870, 0.8008, 0.8517
CMYK	0.43, 0.00, 0.26, 0.80
HSL	145°, 28%, 16%
HSV	145°, 43%, 20%
XYZ	2.0227, 2.7468, 2.2408
YIQ	42.9400, -8.9390, -8.7070

Conversions

Conversions Part 2

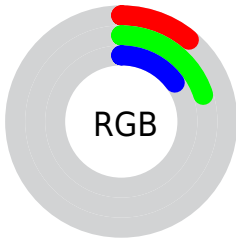
Format	Color
R_{YB}	29, 45, 51
Decimal	1913638
CIE Lab	19.00, -12.30, 5.54
CIE LCh	19, 13.491, 155.771
Yxy	2.7468, 0.2885, 0.3918
Android (android.graphics.Color)	4280103718 (0xFF1D3326)
YUV	42.9400, -2.4354, -12.2254
Hunter-Lab	16.5735, -7.2186, 3.5851




Details

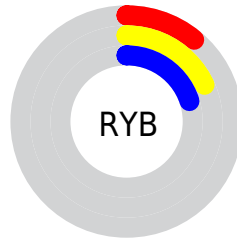
The CIELCh color **19, 13.491, 155.771** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 13.842, 342.181**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 13.648, 155.636**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 16.453, 154.761**, and if you desaturate by 10%, it is **19, 10.434, 156.676**.

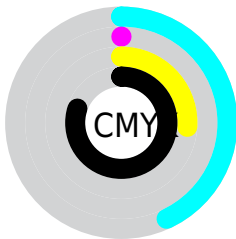
Distribution







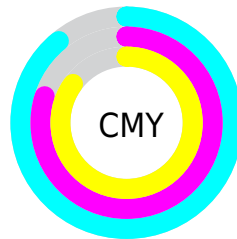
-  Red (11%)
-  Green (20%)
-  Blue (15%)






-  Red (11%)
-  Yellow (18%)
-  Blue (20%)



-  Cyan (43%)
-  Magenta (0%)
-  Yellow (26%)
-  Black (80%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.491, 155.771 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, 13.491, 155.771 by changing the saturation by 10% instead.

■ 19, 13.491,
155.771

■ 19, 13.491,
155.771

■ 100, 13.491,
155.771

■ 9, 13.491, 155.771

■ 39, 13.491,
155.771

■ 0, 13.491, 155.771

■ 49, 13.491,
155.771


■ 59, 13.491,
155.771


■ 69, 13.491,
155.771


■ 79, 13.491,
155.771


■ 89, 13.491,


155.771


 99, 13.491,
155.771

 19, 13.491,
155.771


 19, 13.491,
155.771

 19, 16.453,
154.761

 19, 10.434,
156.676


 18, 19.280,
153.632

 20, 7.317, 157.492


 18, 21.934,
152.372

 20, 4.173, 158.237

 21, 1.030, 159.005

 18, 24.392,
150.994

 22, 2.090, 339.399

 18, 26.821,
149.845

 22, 5.168, 339.993

■ 17, 28.462,
149.245

■ 23, 8.192, 340.512

■ 24, 11.153,
340.987

■ 24, 14.043,
341.428

Harmonies

Complementary

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



19, 13.491, 155.771



14, 13.842, 342.181

Rectangle

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



19, 13.491, 155.771



19, 13.491, 205.771



19, 13.491, 335.771



19, 13.491, 25.771

Sweetspot

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



19, 13.491, 155.770



27, 5.101, 158.209



20, 15.329, 123.668



12, 3.492, 158.162



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, 13.491, 155.770



25, 20.038, 154.602



19, 9.441, 188.336



9, 1.736, 158.602



33, 43.476, 146.806



76, 86.430, 144.779

Inverse Universe

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



14, 13.842, 342.181



18, 20.611, 343.229



14, 11.570, 15.166



8, 1.749, 339.535



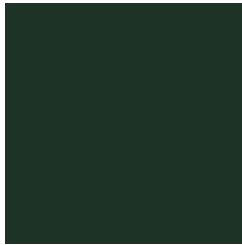
17, 40.997, 351.246



47, 76.854, 354.082

Previews

White Background



This preview shows how the CIELCh color 19, 13.491, 155.771 looks on a white background.

Color Contrast Check

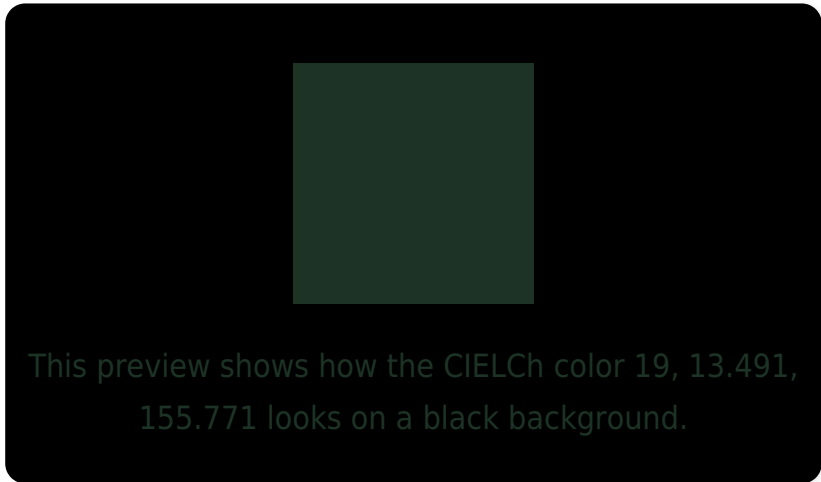
Large Text (above 18pt) WCAG AA ✓ Pass

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

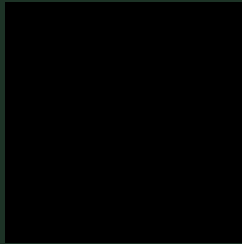
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.491, 155.771

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.491, 155.771.



This preview shows how white text looks on a background with the CIELCh color 19, 13.491, 155.771.

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

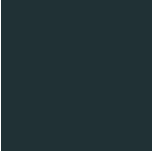
19, 13.491, 155.771

Protanopia

19, 6.982, 95.880

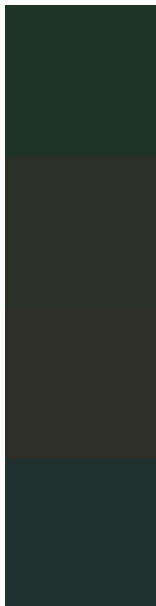
Deuteranopia

19, 5.706, 56.709



Tritanopia
19, 7.467, 219.855

Trichromacy



Original Color
19, 13.491, 155.771

Protanomaly
19, 8.057, 129.807

Deuteranomaly
19, 4.892, 120.540

Tritanomaly
19, 8.546, 183.730

Monochromacy



Original Color
19, 13.491, 155.771

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, 13.491, 155.771 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(29, 51, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 51, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.491, 155.771 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, 38) }
```

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

```
.border{ border-color:rgb(29, 51, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 51, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 51, 38);  
box-shadow:4px 4px 4px 4px rgb(29, 51, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.491, 155.771 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, 38) }
```

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

```
.background{ background-color: rgb(29, 51,  
38) }
```

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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