

Converting Colors

CIELCh(19, 12.369, 121.402)

Have a look what the booklet for
CIELCh(19, 12.369, 121.402)
contains.

CIELCh(19, 11.885, 122.206)	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, 11.885, 122.206)

Conversions

Conversions Part 1

Format	Color
Hex	2A301F
RGB	42, 48, 31
RGB Percent	16%, 19%, 12%
CMY	0.8338, 0.8102, 0.8770
CMYK	0.12, 0.00, 0.35, 0.81
HSL	81°, 21%, 16%
HSV	81°, 35%, 19%
XYZ	2.2955, 2.7468, 1.7309
YIQ	44.2680, 1.8810, -6.5590

Conversions

Conversions Part 2

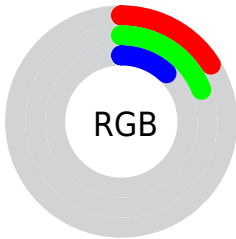
Format	Color
RYB	31, 48, 37
Decimal	2764831
CIELab	19.00, -6.33, 10.06
CIELCh	19, 11.885, 122.206
Yxy	2.7468, 0.3389, 0.4055
Android (android.graphics.Color)	4280954911 (0xFF2A301F)
YUV	44.2680, -6.5411, -1.9890
Hunter-Lab	16.5735, -4.2804, 5.4093

Details

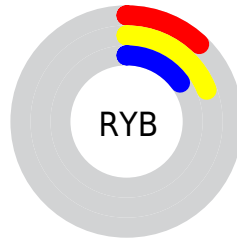
The CIELCh color **19, 11.885, 122.206** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 12.544, 305.550**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 11.852, 121.341**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.182, 121.767**, and if you desaturate by 10%, it is **19, 8.533, 122.662**.

Distribution



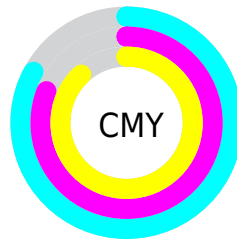
- Red (16%)
- Green (19%)
- Blue (12%)



- Red (12%)
- Yellow (19%)
- Blue (15%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (81%)



- Cyan (83%)
- Magenta (81%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.885, 122.206 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, 11.885, 122.206 by changing the saturation by 10% instead.

■ 19, 11.885,
122.206

■ 19, 11.885,
122.206

■ 100, 11.885,
122.206

■ 9, 11.885, 122.206

■ 39, 11.885,
122.206

■ 0, 11.885, 122.206

■ 49, 11.885,
122.206


■ 59, 11.885,
122.206


■ 69, 11.885,
122.206


■ 79, 11.885,
122.206


■ 89, 11.885,

122.206


 99, 11.885,
122.206

 19, 11.885,
122.206

 19, 11.885,
122.206


 19, 15.182,
121.767

 19, 8.533, 122.662


 19, 18.387,
121.358

 20, 5.150, 123.114

 20, 1.754, 123.563


 18, 21.444,
121.023


 20, 1.639, 303.956

 18, 24.065,
121.109

 21, 5.020, 304.368

 21, 8.381, 304.749

 18, 26.250,
121.536

 21, 11.716,

■ 18, 28.404,
121.946

305.105

■ 18, 29.448,
122.128

■ 22, 15.020,
305.437

■ 22, 18.289,
305.746

Harmonies

Complementary

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



19, 11.885, 122.206



13, 12.544, 305.550

Rectangle

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



19, 11.885, 122.206



19, 11.885, 172.206



19, 11.885, 302.206



19, 11.885, 352.206

Sweetspot

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



19, 11.886, 122.208



27, 4.705, 123.273



16, 7.212, 55.374



13, 3.196, 123.266



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, 11.886, 122.208



25, 17.804, 121.800



18, 13.613, 138.660



8, 1.670, 124.156



33, 46.966, 121.145



78, 91.215, 122.483

Inverse Universe

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



13, 12.544, 305.550



17, 19.101, 306.112



14, 13.741, 321.619



7, 1.669, 303.381



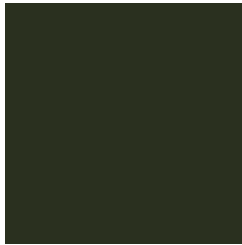
9, 58.066, 309.877



30, 112.902, 308.981

Previews

White Background



This preview shows how the CIELCh color 19, 11.885, 122.206 looks on a white background.

Color Contrast Check

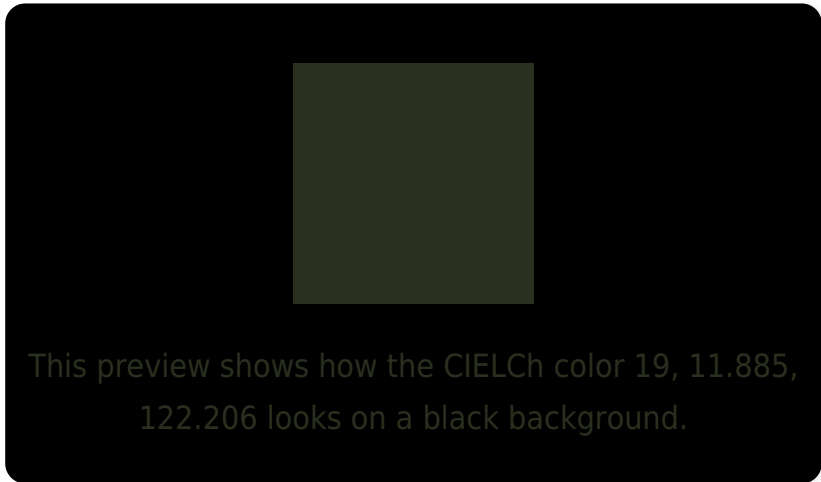
Large Text (above 18pt) WCAG AA ✓ Pass

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

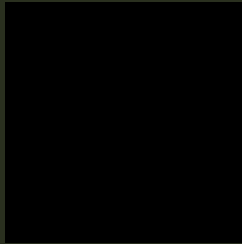
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

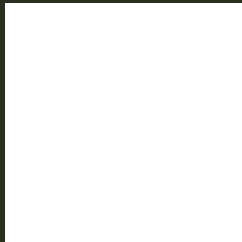
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 11.885, 122.206

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.885, 122.206.

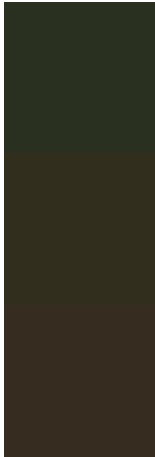


This preview shows how white text looks on a background with the CIELCh color 19, 11.885, 122.206.

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

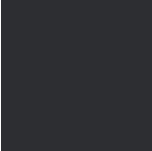
19, 11.885, 122.206

Protanopia

19, 11.058, 96.497

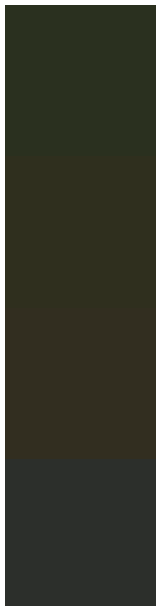
Deuteranopia

19, 10.121, 73.209



Tritanopia
19, 2.774, 281.410

Trichromacy



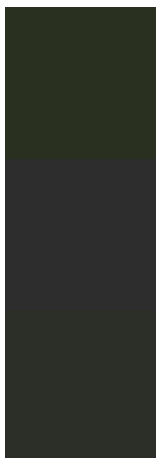
Original Color
19, 11.885, 122.206

Protanomaly
19, 11.481, 107.309

Deuteranomaly
19, 9.743, 95.465

Tritanomaly
19, 3.098, 137.013

Monochromacy



Original Color
19, 11.885, 122.206

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 4.226, 122.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.885, 122.206 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(42, 48, 31)` looks like.

```
.text, #text, p{  
    color:rgb(42, 48, 31)  
}
```

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(42, 48, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 48, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.885, 122.206 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(42, 48, 31) }
```

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

```
.border{ border-color:rgb(42, 48, 31) }
```

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

Here you see how a box with a 4 pixel rgb(42, 48, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 48, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 48, 31);  
box-shadow:4px 4px 4px 4px rgb(42, 48, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.885, 122.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 48, 31) }
```

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

```
.background{ background-color: rgb(42, 48,  
31) }
```

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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