

Converting Colors

CIELCh(19, 12.115, 52.083)

Have a look what the booklet for
CIELCh(19, 12.115, 52.083) contains.

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Color

CIELCh(19, 11.952, 51.605)

Conversions

Conversions Part 1

Format	Color
Hex	3D2A21
RGB	61, 42, 33
RGB Percent	24%, 16%, 13%
CMY	0.7612, 0.8357, 0.8710
CMYK	0.00, 0.31, 0.46, 0.76
HSL	19°, 30%, 18%
HSV	19°, 46%, 24%
XYZ	3.0154, 2.7468, 1.8030
YIQ	46.6550, 14.2130, 1.2290

Conversions

Conversions Part 2

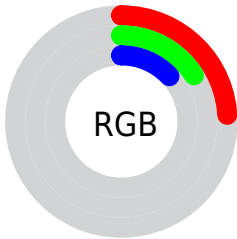
Format	Color
RYB	61, 46, 33
Decimal	4008481
CIELab	19.00, 7.42, 9.37
CIElCh	19, 11.952, 51.605
Yxy	2.7468, 0.3986, 0.3631
Android (android.graphics.Color)	4282198561 (0xFF3D2A21)
YUV	46.6550, -6.7319, 12.5806
Hunter-Lab	16.5735, 3.4731, 5.1513

Details

The CIELCh color **19, 11.952, 51.605** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 9.408, 239.147**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 11.838, 51.270**, and **1, 2.495, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.034, 51.220**, and if you desaturate by 10%, it is **20, 9.048, 52.074**.

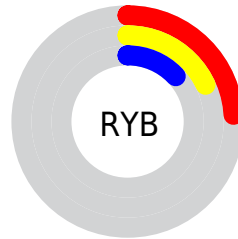
Distribution



Red (24%)

Green (16%)

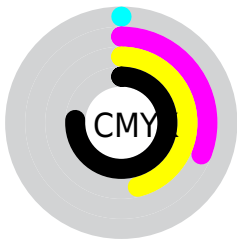
Blue (13%)



Red (24%)

Yellow (18%)

Blue (13%)

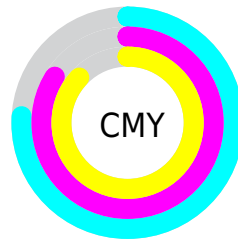


Cyan (0%)

Magenta (31%)

Yellow (46%)

Black (76%)



Cyan (76%)

Magenta (84%)

Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.952, 51.605 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, 11.952, 51.605 by changing the saturation by 10% instead.

 19, 11.952, 51.605

 19, 11.952, 51.605

 100, 11.952,
51.605

 9, 11.952, 51.605

 0, 11.952, 51.605

 39, 11.952, 51.605

 49, 11.952, 51.605

 59, 11.952, 51.605

 69, 11.952, 51.605

 79, 11.952, 51.605

 89, 11.952, 51.605

 99, 11.952, 51.605

■ 19, 11.952, 51.605

■ 19, 11.952, 51.605

■ 18, 15.034, 51.220

■ 20, 9.048, 52.074

■ 16, 18.287, 50.906

■ 22, 6.322, 52.598

■ 15, 21.308, 49.839

■ 23, 3.764, 53.161

■ 14, 23.735, 47.582

■ 25, 1.362, 53.687

■ 13, 25.999, 45.576

■ 26, 0.898, 234.734

■ 12, 26.906, 44.960

■ 28, 3.029, 235.237

■ 29, 5.044, 235.889

■ 31, 6.956, 236.558

■ 32, 8.776, 237.229

Harmonies

Complementary

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



19, 11.952, 51.605



20, 9.408, 239.147

Rectangle

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



19, 11.952, 51.605



19, 11.952, 101.605



19, 11.952, 231.605



19, 11.952, 281.605

Sweetspot

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



19, 11.952, 51.611



31, 4.086, 53.237



17, 18.126, 338.025



15, 2.855, 53.184



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 11.952, 51.611



24, 18.456, 51.168



23, 15.215, 96.757



11, 1.283, 53.576



21, 42.004, 48.540



52, 84.495, 48.087

Inverse Universe

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



20, 9.408, 239.147



26, 13.518, 241.233



16, 16.100, 287.433



11, 1.238, 234.939



25, 23.703, 256.329



59, 45.983, 260.693

Previews

White Background



This preview shows how the CIE LCh color 19, 11.952, 51.605 looks on a white background.

Color Contrast Check

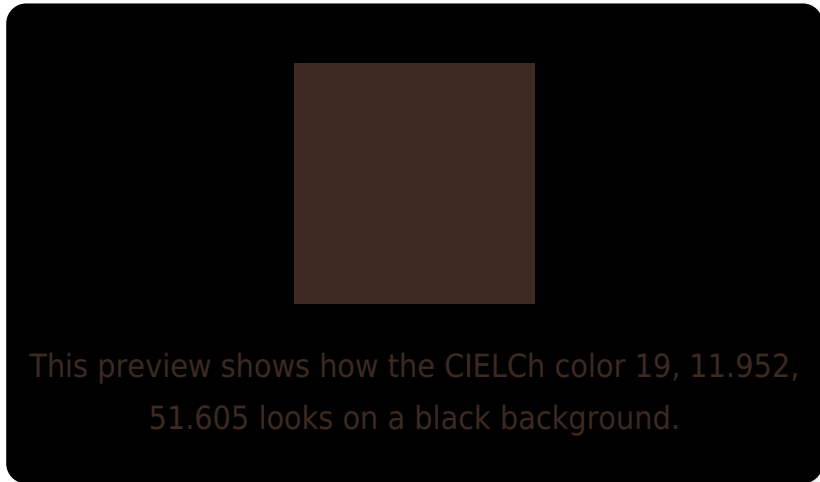
Large Text (above 18pt) WCAG AA ✓ Pass

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

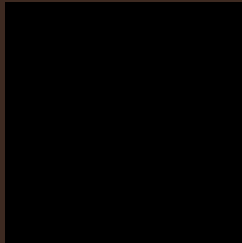
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 11.952, 51.605

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.952, 51.605.



This preview shows how white text looks on a background with the CIELCh color 19, 11.952, 51.605.

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, 11.952, 51.605

Protanopia

19, 7.769, 93.032

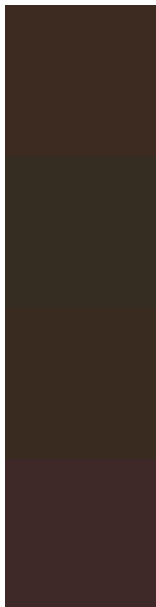
Deuteranopia

19, 10.121, 73.209



Tritanopia
19, 11.127, 8.092

Trichromacy



Original Color
19, 11.952, 51.605

Protanomaly
19, 8.889, 76.571

Deuteranomaly
19, 10.684, 64.460

Tritanomaly
19, 10.692, 25.423

Monochromacy



Original Color
19, 11.952, 51.605

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.018, 50.489

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 19, 11.952, 51.605 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(61, 42, 33)` looks like.

```
.text, #text, p{  
    color:rgb(61, 42, 33)  
}
```

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(61, 42, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 42, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.952, 51.605 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(61, 42, 33) }
```

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

```
.border{ border-color:rgb(61, 42, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 42, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 42, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 42, 33);  
box-shadow:4px 4px 4px 4px rgb(61, 42, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.952, 51.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 42, 33) }
```

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

```
.background{ background-color: rgb(61, 42,  
33) }
```

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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