

Converting Colors

CIELCh(11, 18.655, 19.403)

Have a look what the booklet for
CIELCh(11, 18.655, 19.403) contains.

CIELCh(11, 18.492, 19.602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(11, 18.492, 19.602)

Conversions

Conversions Part 1

Format	Color
Hex	351316
RGB	53, 19, 22
RGB Percent	21%, 7%, 9%
CMY	0.7934, 0.9266, 0.9148
CMYK	0.00, 0.64, 0.59, 0.79
HSL	355°, 48%, 14%
HSV	355°, 64%, 21%
XYZ	1.8213, 1.2610, 0.8922
YIQ	29.5080, 19.3010, 8.1410

Conversions

Conversions Part 2

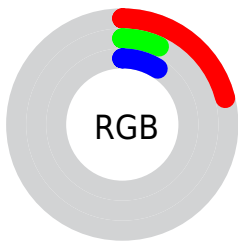
Format	Color
R _Y B	53, 19, 22
Decimal	3478294
CIE Lab	11.00, 17.42, 6.20
CIE LCh	11, 18.492, 19.602
Yxy	1.2610, 0.4583, 0.3173
Android (android.graphics.Color)	4281668374 (0xFF351316)
YUV	29.5080, -3.7014, 20.6025
Hunter-Lab	11.2295, 9.3001, 3.1498

Details

The CIELCh color **11, 18.492, 19.602** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 13.306, 187.944**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 18.389, 20.762**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 21.362, 20.471**, and if you desaturate by 10%, it is **12, 15.384, 17.794**.

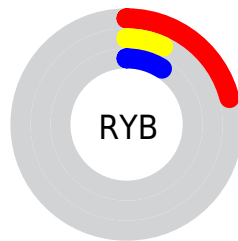
Distribution



 Red (21%)

 Green (7%)

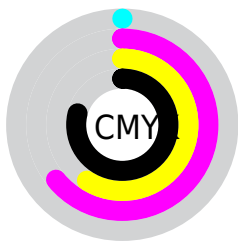
 Blue (9%)




 Red (21%)

 Yellow (7%)

 Blue (9%)

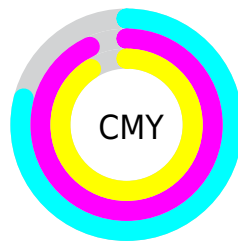



 Cyan (0%)

 Magenta (64%)

 Yellow (59%)

 Black (79%)



 Cyan (79%)

 Magenta (93%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 18.492, 19.602 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 11, 18.492, 19.602 by changing the saturation by 10% instead.

 11, 18.492, 19.602

 11, 18.492, 19.602

 100, 18.492,
19.602

 1, 18.492, 19.602

 31, 18.492, 19.602

 0, 18.492, 19.602

 41, 18.492, 19.602

 51, 18.492, 19.602

 61, 18.492, 19.602

 71, 18.492, 19.602

 81, 18.492, 19.602

 91, 18.492, 19.602

■ 11, 18.492, 19.602

■ 11, 18.492, 19.602

■ 10, 21.362, 20.471

■ 12, 15.384, 17.794

■ 9, 23.858, 20.521

■ 14, 12.303, 16.256

■ 7, 26.366, 19.372

■ 16, 9.309, 14.994

■ 7, 27.745, 18.746

■ 18, 6.436, 13.948

■ 19, 3.702, 13.058

■ 21, 1.113, 12.195

■ 23, 1.333, 191.921

■ 25, 3.641, 191.282

■ 27, 5.822, 190.790

Harmonies

Complementary

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



11, 18.492, 19.602



20, 13.306, 187.944

Rectangle

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



11, 18.492, 19.602



11, 18.492, 69.602



11, 18.492, 199.602



11, 18.492, 249.602

Sweetspot

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



11, 18.491, 19.605



25, 6.176, 13.533



12, 26.669, 324.155



11, 4.305, 13.616



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



11, 18.491, 19.605



14, 27.990, 23.680



15, 15.362, 58.535



8, 1.350, 12.462



16, 43.473, 30.442



45, 88.789, 36.860

Inverse Universe

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



11, 18.491, 19.605



14, 27.990, 23.680



15, 11.800, 253.721



8, 1.350, 12.462



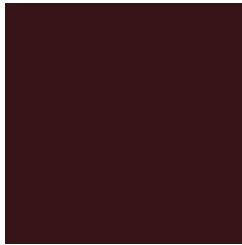
16, 43.473, 30.442



45, 88.789, 36.860

Previews

White Background



This preview shows how the CIELCh color 11, 18.492, 19.602 looks on a white background.

Color Contrast Check

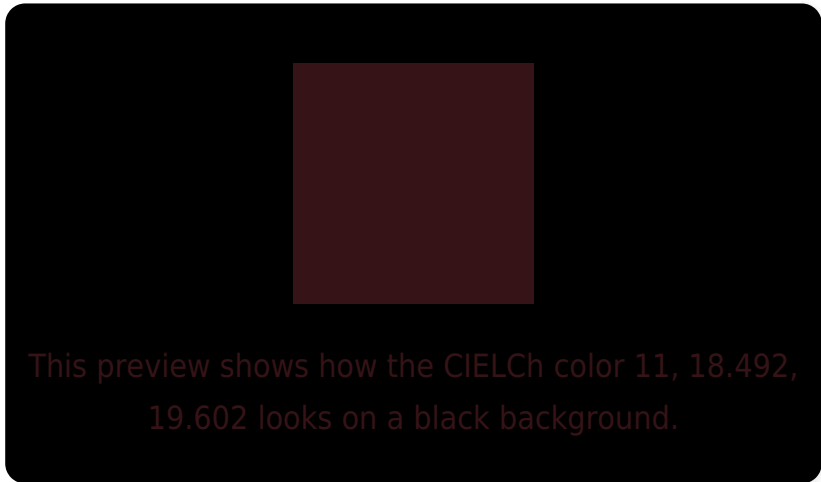
Large Text (above 18pt) WCAG AA ✓ Pass

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

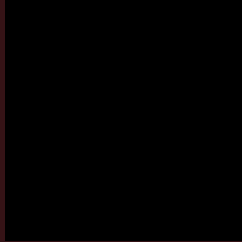
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 18.492, 19.602

Background



This preview shows how black text looks on a background with the CIELCh color 11, 18.492, 19.602.

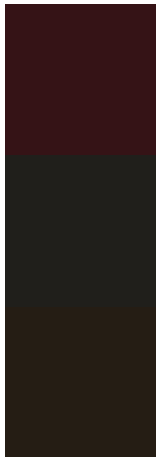


This preview shows how white text looks on a background with the CIELCh color 11, 18.492, 19.602.

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

11, 18.492, 19.602

Protanopia

12, 2.937, 99.073

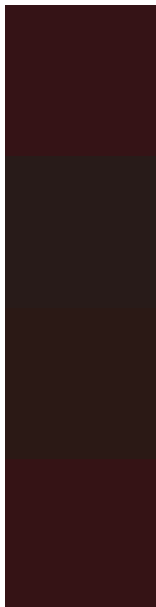
Deuteranopia

11, 7.907, 73.833



Tritanopia
11, 18.764, 23.596

Trichromacy



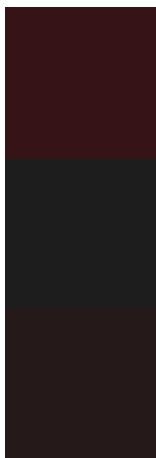
Original Color
11, 18.492, 19.602

Protanomaly
11, 7.221, 32.796

Deuteranomaly
11, 10.599, 37.623

Tritanomaly
11, 18.619, 21.653

Monochromacy



Original Color
11, 18.492, 19.602

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 6.952, 15.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 18.492, 19.602 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(53, 19, 22)` looks like.

```
.text, #text, p{  
    color:rgb(53, 19, 22)  
}
```

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(53, 19, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 19, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 18.492, 19.602 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(53, 19, 22) }
```

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

```
.border{ border-color:rgb(53, 19, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 19, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 19, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 19, 22);  
box-shadow:4px 4px 4px 4px rgb(53, 19, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 18.492, 19.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 19, 22) }
```

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

```
.background{ background-color: rgb(53, 19,  
22) }
```

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