

Converting Colors

CIELCh(19, 22.280, 348.969)

Have a look what the booklet for
CIELCh(19, 22.280, 348.969)
contains.

CIELCh(19, 22.251, 348.873)	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, 22.251, 348.873)

Conversions

Conversions Part 1

Format	Color
Hex	492135
RGB	73, 33, 53
RGB Percent	29%, 13%, 21%
CMY	0.7143, 0.8711, 0.7927
CMYK	0.00, 0.55, 0.27, 0.71
HSL	330°, 38%, 21%
HSV	330°, 55%, 29%
XYZ	3.9162, 2.7468, 3.6758
YIQ	47.2400, 17.4200, 14.7000

Conversions

Conversions Part 2

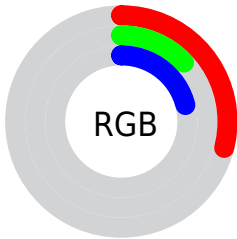
Format	Color
R_YB	73, 33, 53
Decimal	4792629
CIE Lab	19.00, 21.83, -4.29
CIE LCh	19, 22.251, 348.873
Yxy	2.7468, 0.3788, 0.2657
Android (android.graphics.Color)	4282982709 (0xFF492135)
YUV	47.2400, 2.8397, 22.5915
Hunter-Lab	16.5735, 13.1746, -1.5483




Details

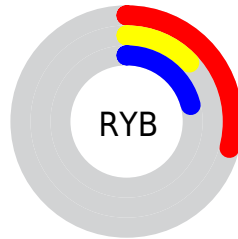
The CIELCh color **19, 22.251, 348.873** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 21.089, 158.499**, and the grayscale version is **19, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 22.274, 348.260**, and **3, 12.228, 6.059** is the 20% darker color. If you saturate the color by 10%, you get **17, 25.834, 350.315**, and if you desaturate by 10%, it is **21, 18.349, 347.642**.

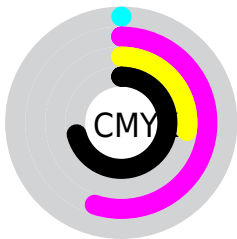
Distribution







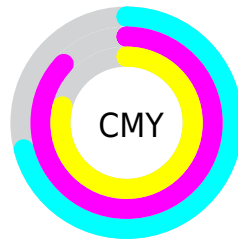
-  Red (29%)
-  Green (13%)
-  Blue (21%)






-  Red (29%)
-  Yellow (13%)
-  Blue (21%)



-  Cyan (0%)
-  Magenta (55%)
-  Yellow (27%)
-  Black (71%)





-  Cyan (71%)
-  Magenta (87%)
-  Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 22.251, 348.873 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, 22.251, 348.873 by changing the saturation by 10% instead.

 19, 22.251,
348.873

 19, 22.251,
348.873


 100, 22.251,
348.873


 9, 22.251, 348.873


 39, 22.251,
348.873

 0, 22.251, 348.873

 49, 22.251,
348.873


 59, 22.251,
348.873


 69, 22.251,
348.873


 79, 22.251,
348.873


 89, 22.251,


348.873


 99, 22.251,
348.873


 19, 22.251,
348.873


 19, 22.251,
348.873


 17, 25.834,
350.315


 21, 18.349,
347.642

 16, 28.935,
352.037


 23, 14.274,
346.567

 14, 31.387,
354.134

 25, 10.136,
345.611

 13, 33.495,
356.395

 27, 6.011, 344.744

 13, 34.707,
357.426

 30, 1.952, 343.899

 32, 2.010, 163.387

■ 35, 5.860, 162.666

■ 37, 9.589, 162.044

■ 39, 13.198,
161.471

Harmonies

Complementary

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



19, 22.251, 348.873



28, 21.089, 158.499

Rectangle

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



19, 22.251, 348.873



19, 22.251, 38.873



19, 22.251, 168.873



19, 22.251, 218.873

Sweetspot

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



19, 22.250, 348.874



35, 8.020, 344.889



17, 28.571, 311.045



17, 5.465, 344.970



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



19, 22.250, 348.874



23, 32.256, 350.904



18, 20.838, 23.752



13, 2.198, 344.220



20, 42.732, 359.302



49, 77.527, 2.619

Inverse Universe

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



19, 22.250, 348.874



23, 32.256, 350.904



28, 14.740, 195.483



13, 2.198, 344.220



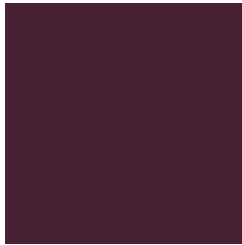
20, 42.732, 359.302



49, 77.527, 2.619

Previews

White Background



This preview shows how the CIE LCh color 19, 22.251, 348.873 looks on a white background.

Color Contrast Check

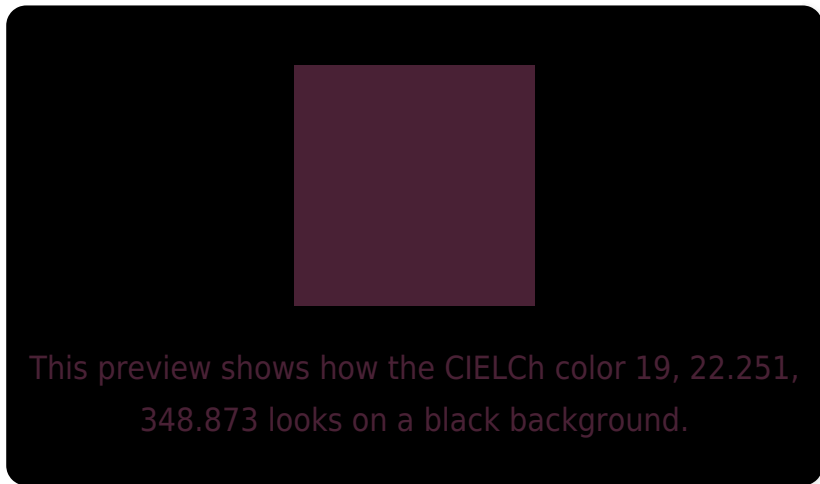
Large Text (above 18pt) WCAG AA ✓ Pass

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

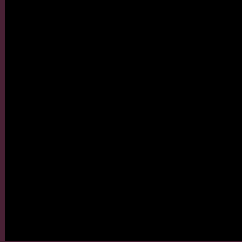
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 22.251, 348.873

Background



This preview shows how black text looks on a background with the CIELCh color 19, 22.251, 348.873.



This preview shows how white text looks on a background with the CIELCh color 19, 22.251, 348.873.

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, 22.251, 348.873

Protanopia

19, 10.988, 286.373

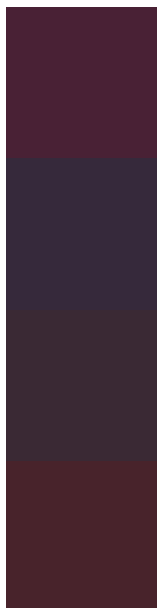
Deuteranopia

20, 3.905, 319.152



Tritanopia
19, 18.393, 20.011

Trichromacy



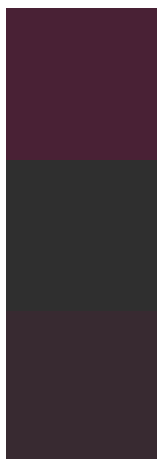
Original Color
19, 22.251, 348.873

Protanomaly
19, 13.654, 317.557

Deuteranomaly
19, 10.885, 338.413

Tritanomaly
19, 18.793, 8.097

Monochromacy



Original Color
19, 22.251, 348.873

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 8.165, 345.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 22.251, 348.873 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(73, 33, 53)` looks like.

```
.text, #text, p{  
    color:rgb(73, 33, 53)  
}
```

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(73, 33, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 33, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 22.251, 348.873 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(73, 33, 53) }
```

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

```
.border{ border-color:rgb(73, 33, 53) }
```

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

Here you see how a box with a 4 pixel rgb(73, 33, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 33, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 33, 53);  
box-shadow:4px 4px 4px 4px rgb(73, 33, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 22.251, 348.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 33, 53) }
```

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

```
.background{ background-color: rgb(73, 33,  
53) }
```

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