

Converting Colors

CIELCh(19, 31.102, 28.671)

Have a look what the booklet for
CIELCh(19, 31.102, 28.671) contains.

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Color

CIELCh(19, 31.138, 28.483)

Conversions

Conversions Part 1

Format	Color
Hex	551A1A
RGB	85, 26, 26
RGB Percent	33%, 10%, 10%
CMY	0.6666, 0.8979, 0.8980
CMYK	0.00, 0.69, 0.69, 0.67
HSL	0°, 53%, 22%
HSV	0°, 69%, 33%
XYZ	4.3051, 2.7468, 1.2816
YIQ	43.6410, 35.1640, 12.5080

Conversions

Conversions Part 2

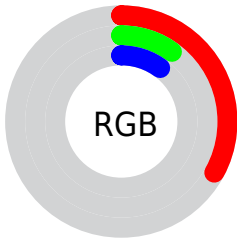
Format	Color
RYB	85, 26, 26
Decimal	5577242
CIELab	19.00, 27.37, 14.85
CIElCh	19, 31.138, 28.483
Yxy	2.7468, 0.5166, 0.3296
Android (android.graphics.Color)	4283767322 (0xFF551A1A)
YUV	43.6410, -8.6970, 36.2718
Hunter-Lab	16.5735, 17.3626, 7.0165

Details

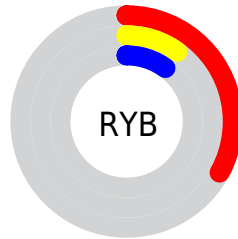
The CIELCh color **19, 31.138, 28.483** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 19.288, 196.814**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 31.277, 28.607**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.946, 31.171**, and if you desaturate by 10%, it is **21, 26.142, 26.104**.

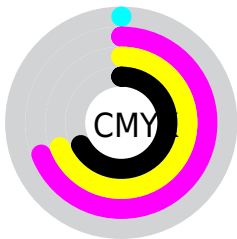
Distribution



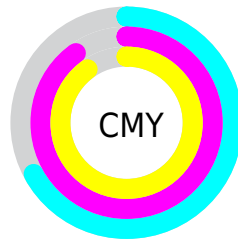
- Red (33%)
- Green (10%)
- Blue (10%)



- Red (33%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (69%)
- Yellow (69%)
- Black (67%)




- Cyan (67%)
- Magenta (90%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 31.138, 28.483 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, 31.138, 28.483 by changing the saturation by 10% instead.

 19, 31.138, 28.483

 19, 31.138, 28.483

 100, 31.138,
28.483

 9, 31.138, 28.483

 39, 31.138, 28.483

 0, 31.138, 28.483

 49, 31.138, 28.483

 59, 31.138, 28.483

 69, 31.138, 28.483

 79, 31.138, 28.483

 89, 31.138, 28.483

 99, 31.138, 28.483

■ 19, 31.138, 28.483

■ 19, 31.138, 28.483

■ 17, 35.946, 31.171

■ 21, 26.142, 26.104

■ 16, 39.625, 32.540

■ 23, 21.192, 24.208

■ 15, 42.847, 33.183

■ 26, 16.398, 22.719

■ 15, 43.046, 33.209

■ 28, 11.833, 21.553

■ 31, 7.537, 20.632

■ 34, 3.522, 19.872

■ 36, 0.217, 200.764

■ 39, 3.696, 199.015

■ 42, 6.938, 198.611

Harmonies

Complementary

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



19, 31.138, 28.483



33, 19.288, 196.814

Rectangle

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



19, 31.138, 28.483



19, 31.138, 78.483



19, 31.138, 208.483



19, 31.138, 258.483

Sweetspot

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



19, 31.137, 28.486



39, 10.148, 20.825



21, 42.119, 327.568



19, 6.963, 20.967



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 31.137, 28.486



23, 46.542, 33.410



26, 25.372, 67.376



16, 2.127, 19.828



21, 52.681, 36.575



49, 98.181, 40.001

Inverse Universe

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



33, 19.288, 196.814



42, 25.481, 196.552



23, 21.126, 269.184



17, 2.022, 199.069



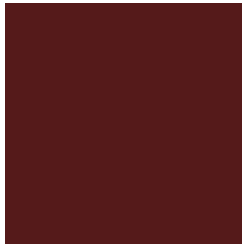
41, 26.464, 196.401



85, 47.044, 196.402

Previews

White Background



This preview shows how the CIE LCh color 19, 31.138, 28.483 looks on a white background.

Color Contrast Check

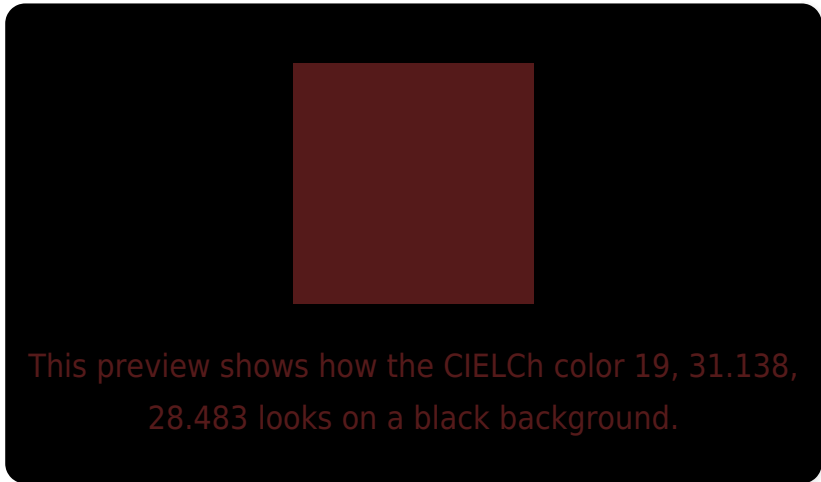
Large Text (above 18pt) WCAG AA ✓ Pass

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

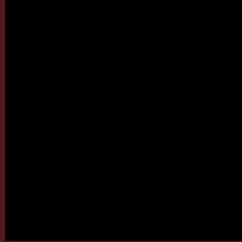
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 31.138, 28.483

Background



This preview shows how black text looks on a background with the CIELCh color 19, 31.138, 28.483.

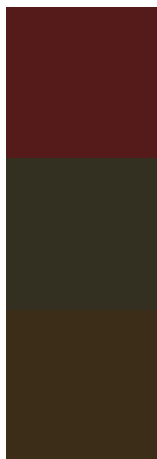


This preview shows how white text looks on a background with the CIELCh color 19, 31.138, 28.483.

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, 31.138, 28.483

Protanopia

20, 9.581, 98.601

Deuteranopia

20, 16.863, 79.328



Tritanopia
19, 30.891, 27.334

Trichromacy



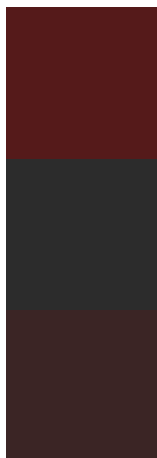
Original Color
19, 31.138, 28.483

Protanomaly
19, 14.002, 47.338

Deuteranomaly
19, 19.696, 50.596

Tritanomaly
19, 30.891, 27.334

Monochromacy



Original Color
19, 31.138, 28.483

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 11.287, 22.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 31.138, 28.483 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(85, 26, 26)` looks like.

```
.text, #text, p{  
    color:rgb(85, 26, 26)  
}
```

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(85, 26, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 26, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 31.138, 28.483 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(85, 26, 26) }
```

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

```
.border{ border-color:rgb(85, 26, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 26, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 26, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 26, 26);  
box-shadow:4px 4px 4px 4px rgb(85, 26, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 31.138, 28.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 26, 26) }
```

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

```
.background{ background-color: rgb(85, 26,  
26) }
```

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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