

Converting Colors

CIELCh(19, 32.445, 31.850)

Have a look what the booklet for
CIELCh(19, 32.445, 31.850) contains.

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Color

CIELCh(19, 32.445, 31.850)

Conversions

Conversions Part 1

Format	Color
Hex	561A17
RGB	86, 26, 23
RGB Percent	34%, 10%, 9%
CMY	0.6642, 0.8993, 0.9109
CMYK	0.00, 0.70, 0.73, 0.66
HSL	3°, 58%, 21%
HSV	3°, 73%, 34%
XYZ	4.3189, 2.7468, 1.0991
YIQ	43.5980, 36.7230, 11.7870

Conversions

Conversions Part 2

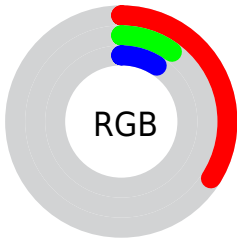
Format	Color
RYB	86, 26, 23
Decimal	5642775
CIELab	19.00, 27.56, 17.12
CIELCh	19, 32.445, 31.850
Yxy	2.7468, 0.5290, 0.3364
Android (android.graphics.Color)	4283832855 (0xFF561A17)
YUV	43.5980, -10.1548, 37.1866
Hunter-Lab	16.5735, 17.5116, 7.6696

Details

The CIELCh color **19, 32.445, 31.850** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 18.997, 202.576**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 32.373, 31.614**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.069, 33.745**, and if you desaturate by 10%, it is **21, 27.429, 29.689**.

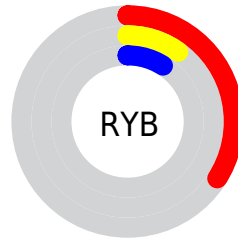
Distribution



Red (34%)

Green (10%)

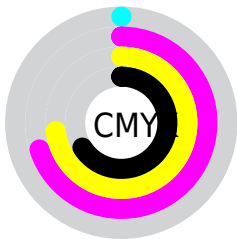
Blue (9%)



Red (34%)

Yellow (10%)

Blue (9%)

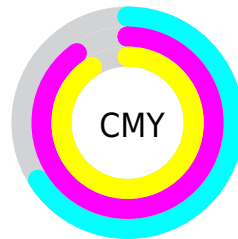


Cyan (0%)

Magenta (70%)

Yellow (73%)

Black (66%)



Cyan (66%)

Magenta (90%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 32.445, 31.850 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, 32.445, 31.850 by changing the saturation by 10% instead.

 19, 32.445, 31.850

 19, 32.445, 31.850

 100, 32.445,
31.850

 9, 32.445, 31.850

 39, 32.445, 31.850

 0, 32.445, 31.850

 49, 32.445, 31.850

 59, 32.445, 31.850

 69, 32.445, 31.850

 79, 32.445, 31.850

 89, 32.445, 31.850

 99, 32.445, 31.850

■ 19, 32.445, 31.850

■ 19, 32.445, 31.850

■ 18, 37.069, 33.745

■ 21, 27.429, 29.689

■ 16, 40.496, 34.459

■ 23, 22.480, 27.946

■ 16, 42.556, 34.958

■ 25, 17.702, 26.578

■ 28, 13.164, 25.519

■ 30, 8.899, 24.700

■ 33, 4.920, 24.055

■ 35, 1.218, 23.399

■ 38, 2.222, 203.426

■ 41, 5.422, 203.076

Harmonies

Complementary

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



19, 32.445, 31.850



32, 18.997, 202.576

Rectangle

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



19, 32.445, 31.850



19, 32.445, 81.850



19, 32.445, 211.850



19, 32.445, 261.850

Sweetspot

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



19, 32.444, 31.853



40, 10.404, 24.650



21, 43.147, 328.764



19, 6.952, 24.754



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, 32.444, 31.853



23, 49.241, 36.295



26, 27.273, 69.970



16, 2.031, 23.786



21, 51.996, 37.779



49, 97.598, 40.367

Inverse Universe

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



32, 18.997, 202.576



41, 24.990, 203.172



21, 23.599, 274.063



17, 1.929, 203.296



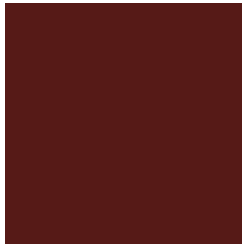
39, 24.925, 203.737



81, 44.147, 204.266

Previews

White Background



This preview shows how the CIE LCh color 19, 32.445, 31.850 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



This preview shows how the CIE LCh color 19, 32.445, 31.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

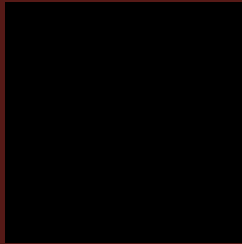
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 32.445, 31.850

Background



This preview shows how black text looks on a background with the CIELCh color 19, 32.445, 31.850.

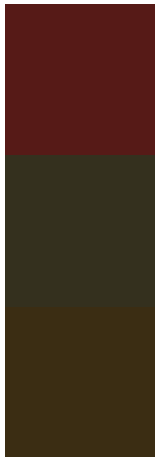


This preview shows how white text looks on a background with the CIELCh color 19, 32.445, 31.850.

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, 32.445, 31.850

Protanopia

20, 12.294, 97.368

Deuteranopia

19, 19.202, 81.864



Tritanopia
19, 31.952, 27.819

Trichromacy



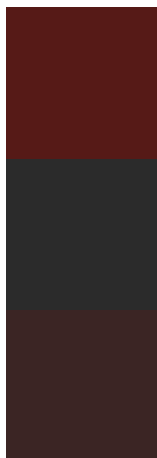
Original Color
19, 32.445, 31.850

Protanomaly
19, 16.195, 54.094

Deuteranomaly
19, 21.981, 54.885

Tritanomaly
19, 32.206, 28.922

Monochromacy



Original Color
19, 32.445, 31.850

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 11.408, 25.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 32.445, 31.850 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(86, 26, 23)` looks like.

```
.text, #text, p{  
    color:rgb(86, 26, 23)  
}
```

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(86, 26, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 26, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 32.445, 31.850 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(86, 26, 23) }
```

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

```
.border{ border-color:rgb(86, 26, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 26, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 26, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 26, 23);  
box-shadow:4px 4px 4px 4px rgb(86, 26, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 32.445, 31.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 26, 23) }
```

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

```
.background{ background-color: rgb(86, 26,  
23) }
```

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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