

Converting Colors

CIELCh(19, 28.506, 27.012)

Have a look what the booklet for
CIELCh(19, 28.506, 27.012) contains.

CIELCh(19, 28.751, 26.371)	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(19, 28.751, 26.371)

Conversions

Conversions Part 1

Format	Color
Hex	531C1D
RGB	83, 28, 29
RGB Percent	33%, 11%, 11%
CMY	0.6750, 0.8906, 0.8867
CMYK	0.00, 0.66, 0.65, 0.68
HSL	359°, 50%, 22%
HSV	359°, 66%, 32%
XYZ	4.1894, 2.7468, 1.4655
YIQ	44.5590, 32.4590, 11.9710

Conversions

Conversions Part 2

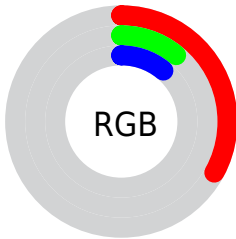
Format	Color
R_{YB}	83, 28, 29
Decimal	5446685
CIE _{Lab}	19.00, 25.76, 12.77
CIE _{LCh}	19, 28.751, 26.371
Yxy	2.7468, 0.4986, 0.3269
Android (android.graphics.Color)	4283636765 (0xFF531C1D)
YUV	44.5590, -7.6706, 33.7128
Hunter-Lab	16.5735, 16.1174, 6.3588

Details

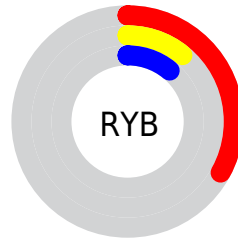
The CIELCh color **19, 28.751, 26.371** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 18.568, 194.842**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 28.623, 27.379**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **17, 33.494, 29.147**, and if you desaturate by 10%, it is **21, 23.939, 24.122**.

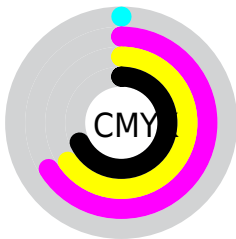
Distribution



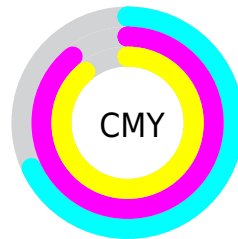
- Red (33%)
- Green (11%)
- Blue (11%)



- Red (33%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (66%)
- Yellow (65%)
- Black (68%)



- Cyan (68%)
- Magenta (89%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 28.751, 26.371 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, 28.751, 26.371 by changing the saturation by 10% instead.

 19, 28.751, 26.371

 19, 28.751, 26.371

 100, 28.751,
26.371

 9, 28.751, 26.371

 39, 28.751, 26.371

 0, 28.751, 26.371

 49, 28.751, 26.371

 59, 28.751, 26.371

 69, 28.751, 26.371

 79, 28.751, 26.371

 89, 28.751, 26.371

 99, 28.751, 26.371

■ 19, 28.751, 26.371

■ 19, 28.751, 26.371

■ 17, 33.494, 29.147

■ 21, 23.939, 24.122

■ 16, 37.498, 31.154

■ 23, 19.192, 22.335

■ 15, 40.636, 31.897

■ 26, 14.607, 20.925

■ 15, 41.807, 32.030

■ 28, 10.246, 19.809

■ 31, 6.142, 18.911

■ 34, 2.302, 18.129

■ 36, 1.280, 197.915

■ 39, 4.622, 197.285

■ 42, 7.743, 196.876

Harmonies

Complementary

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



19, 28.751, 26.371



32, 18.568, 194.842

Rectangle

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



19, 28.751, 26.371



19, 28.751, 76.371



19, 28.751, 206.371



19, 28.751, 256.371

Sweetspot

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



19, 28.750, 26.374



39, 9.430, 19.278



21, 39.712, 326.424



18, 6.393, 19.418



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 28.750, 26.374



23, 43.522, 31.175



25, 23.539, 64.567



15, 2.019, 18.316



20, 51.186, 35.557



48, 96.617, 39.431

Inverse Universe

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



19, 28.750, 26.374



23, 43.522, 31.175



23, 18.937, 264.292



15, 2.019, 18.316



20, 51.186, 35.557



48, 96.617, 39.431

Previews

White Background



This preview shows how the CIE LCh color 19, 28.751, 26.371 looks on a white background.

Color Contrast Check

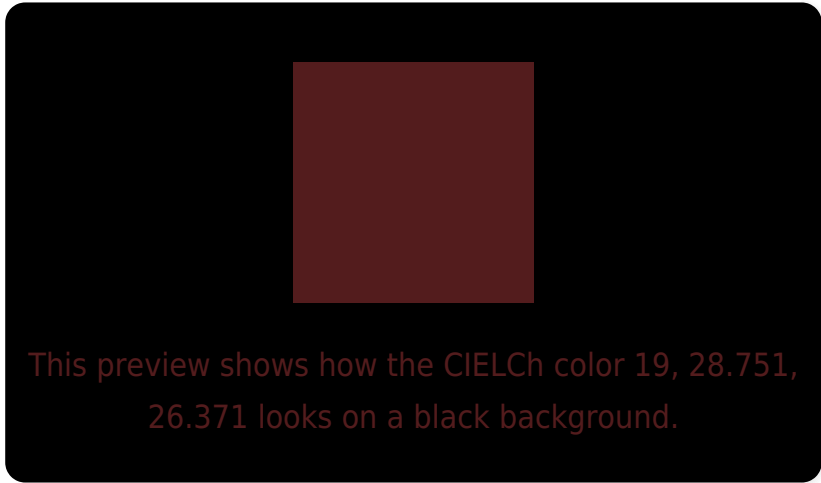
Large Text (above 18pt) WCAG AA ✓ Pass

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

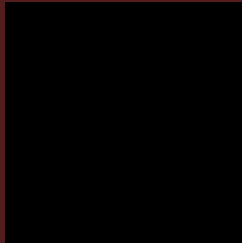
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 28.751, 26.371

Background



This preview shows how black text looks on a background with the CIELCh color 19, 28.751, 26.371.

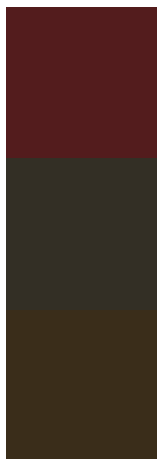


This preview shows how white text looks on a background with the CIELCh color 19, 28.751, 26.371.

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, 28.751, 26.371

Protanopia

20, 7.090, 91.901

Deuteranopia

19, 14.806, 78.506



Tritanopia
19, 28.751, 26.371

Trichromacy



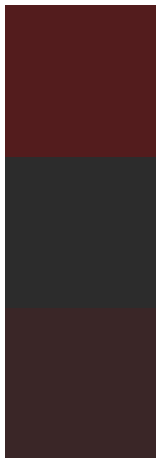
Original Color
19, 28.751, 26.371

Protanomaly
19, 12.935, 40.091

Deuteranomaly
19, 17.767, 49.001

Tritanomaly
19, 28.751, 26.371

Monochromacy



Original Color
19, 28.751, 26.371

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 10.130, 18.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 28.751, 26.371 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(83, 28, 29)` looks like.

```
.text, #text, p{  
    color:rgb(83, 28, 29)  
}
```

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(83, 28, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 28, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 28.751, 26.371 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(83, 28, 29) }
```

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

```
.border{ border-color:rgb(83, 28, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 28, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 28, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 28, 29);  
box-shadow:4px 4px 4px 4px rgb(83, 28, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 28.751, 26.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 28, 29) }
```

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

```
.background{ background-color: rgb(83, 28,  
29) }
```

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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