

Converting Colors

CIELCh(19, 28.654, 3.105)

Have a look what the booklet for
CIELCh(19, 28.654, 3.105) contains.

CIELCh(19, 28.480, 3.163)	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, 28.480, 3.163)

Conversions

Conversions Part 1

Format	Color
Hex	531A2D
RGB	83, 26, 45
RGB Percent	33%, 10%, 18%
CMY	0.6754, 0.8988, 0.8243
CMYK	0.00, 0.69, 0.46, 0.68
HSL	340°, 52%, 21%
HSV	340°, 69%, 32%
XYZ	4.3829, 2.7468, 2.7632
YIQ	45.2090, 27.8730, 17.9930

Conversions

Conversions Part 2

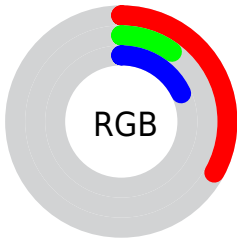
Format	Color
R_{YB}	83, 26, 45
Decimal	5446189
CIE _{Lab}	19.00, 28.44, 1.57
CIE _{LCh}	19, 28.480, 3.163
Yxy	2.7468, 0.4430, 0.2777
Android (android.graphics.Color)	4283636269 (0xFF531A2D)
YUV	45.2090, -0.1030, 33.1427
Hunter-Lab	16.5735, 18.2008, 1.7164

Details

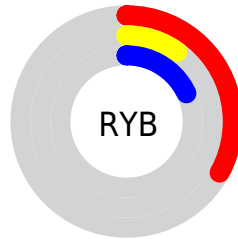
The CIELCh color **19, 28.480, 3.163** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **31, 24.397, 166.314**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 28.451, 3.470**, and **4, 17.716, 18.101** is the 20% darker color. If you saturate the color by 10%, you get **17, 31.797, 5.875**, and if you desaturate by 10%, it is **21, 24.676, 0.977**.

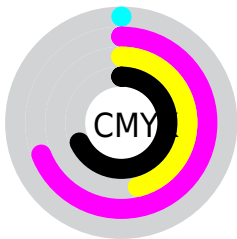
Distribution



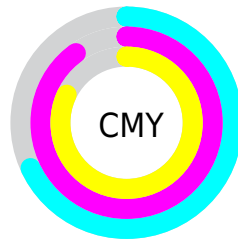
- Red (33%)
- Green (10%)
- Blue (18%)



- Red (33%)
- Yellow (10%)
- Blue (18%)



- Cyan (0%)
- Magenta (69%)
- Yellow (46%)
- Black (68%)



- Cyan (68%)
- Magenta (90%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 28.480, 3.163 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, 28.480, 3.163 by changing the saturation by 10% instead.

 19, 28.480, 3.163  19, 28.480, 3.163

 100, 28.480, 3.163  9, 28.480, 3.163

 39, 28.480, 3.163  0, 28.480, 3.163

 49, 28.480, 3.163

 59, 28.480, 3.163

 69, 28.480, 3.163

 79, 28.480, 3.163

 89, 28.480, 3.163

 99, 28.480, 3.163

 19, 28.480, 3.163  19, 28.480, 3.163

17, 31.797, 5.875

21, 24.676, 0.977

16, 34.500, 9.237

23, 20.558,
359.187

15, 37.192, 12.574

25, 16.282,
357.697

15, 37.535, 12.928

28, 11.970,
356.433

30, 7.711, 355.336

33, 3.558, 354.348

36, 0.458, 174.114

38, 4.321, 172.875

41, 8.030, 172.164

Harmonies

Complementary

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



19, 28.480, 3.163



31, 24.397, 166.314

Rectangle

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



19, 28.480, 3.163



19, 28.480, 53.163



19, 28.480, 183.163



19, 28.480, 233.163

Sweetspot

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



19, 28.478, 3.165



38, 10.682, 355.637



17, 39.921, 316.635



18, 7.160, 355.794



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, 28.478, 3.165



23, 40.382, 8.151



20, 27.406, 37.123



15, 2.223, 354.335



20, 44.359, 14.763



49, 80.778, 18.912

Inverse Universe

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



19, 28.478, 3.165



23, 40.382, 8.151



29, 16.447, 217.055



15, 2.223, 354.335



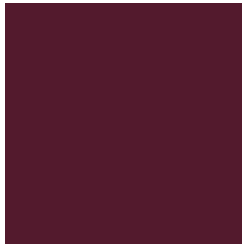
20, 44.359, 14.763



49, 80.778, 18.912

Previews

White Background



This preview shows how the CIE LCh color 19, 28.480, 3.163 looks on a white background.

Color Contrast Check

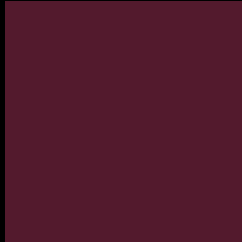
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.480, 3.163 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, 28.480, 3.163

Background



This preview shows how black text looks on a background with the CIELCh color 19, 28.480, 3.163.



This preview shows how white text looks on a background with the CIELCh color 19, 28.480, 3.163.

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, 28.480, 3.163

Protanopia

20, 6.866, 284.589

Deuteranopia

20, 4.820, 54.212



Tritanopia
19, 27.469, 24.563

Trichromacy



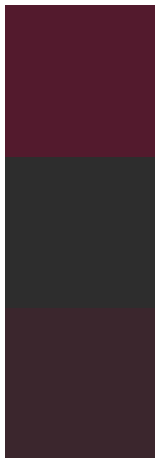
Original Color
19, 28.480, 3.163

Protanomaly
19, 13.242, 336.391

Deuteranomaly
19, 12.634, 10.257

Tritanomaly
19, 27.151, 16.704

Monochromacy



Original Color
19, 28.480, 3.163

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 11.200, 357.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 28.480, 3.163 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, 26, 45)` looks like.

```
.text, #text, p{  
    color:rgb(83, 26, 45)  
}
```

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, 26, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 26, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 28.480, 3.163 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, 26, 45) }
```

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

```
.border{ border-color:rgb(83, 26, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 26, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 26, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 26, 45);  
box-shadow:4px 4px 4px 4px rgb(83, 26, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 28.480, 3.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 26, 45) }
```

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

```
.background{ background-color: rgb(83, 26,  
45) }
```

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