

Converting Colors

CIELCh(19, 28.747, 323.707)

Have a look what the booklet for
CIELCh(19, 28.747, 323.707)
contains.

CIELCh(19, 28.760, 323.758)	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, 28.760, 323.758)

Conversions

Conversions Part 1

Format	Color
Hex	432147
RGB	67, 33, 71
RGB Percent	26%, 13%, 28%
CMY	0.7368, 0.8702, 0.7211
CMYK	0.06, 0.53, 0.00, 0.72
HSL	294°, 36%, 20%
HSV	294°, 53%, 28%
XYZ	4.0097, 2.7468, 6.2981
YIQ	47.4980, 8.0660, 19.0260

Conversions

Conversions Part 2

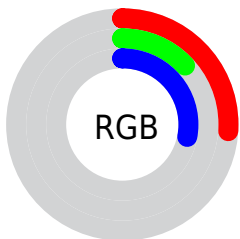
Format	Color
RYB	67, 33, 71
Decimal	4399431
CIELab	19.00, 23.20, -17.00
CIElCh	19, 28.760, 323.758
Yxy	2.7468, 0.3071, 0.2104
Android (android.graphics.Color)	4282589511 (0xFF432147)
YUV	47.4980, 11.5865, 17.1033
Hunter-Lab	16.5735, 14.1812, -10.9294

Details


The CIELCh color **19, 28.760, 323.758** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 28.576, 138.366**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 28.758, 323.351**, and **3, 17.832, 320.187** is the 20% darker color. If you saturate the color by 10%, you get **17, 33.537, 324.065**, and if you desaturate by 10%, it is **21, 23.611, 323.395**.

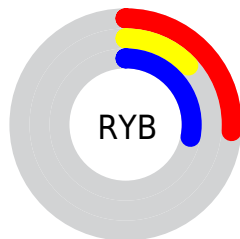
Distribution



 Red (26%)

 Green (13%)

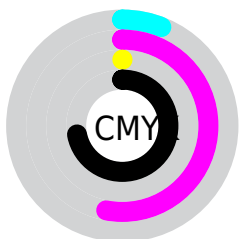
 Blue (28%)




 Red (26%)

 Yellow (13%)

 Blue (28%)

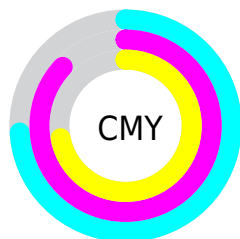



 Cyan (6%)


 Magenta (53%)

 Yellow (0%)

 Black (72%)



 Cyan (74%)

 Magenta (87%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 28.760, 323.758 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, 28.760, 323.758 by changing the saturation by 10% instead.

■ 19, 28.760,
323.758

■ 19, 28.760,
323.758

■ 100, 28.760,
323.758

■ 9, 28.760, 323.758

■ 39, 28.760,
323.758

■ 0, 28.760, 323.758

■ 49, 28.760,
323.758


■ 59, 28.760,
323.758


■ 69, 28.760,
323.758


■ 79, 28.760,
323.758


■ 89, 28.760,


323.758


 99, 28.760,
323.758


 19, 28.760,
323.758


 19, 28.760,
323.758

 17, 33.537,
324.065

 21, 23.611,
323.395

 16, 37.768,
324.294


 23, 18.243,
322.993

 15, 41.271,
324.424

 25, 12.775,
322.568

 14, 44.236,
324.489

 27, 7.293, 322.130

 13, 46.320,
324.563

 29, 1.858, 321.655

 32, 3.488, 141.326

■ 34, 8.721, 140.899

■ 36, 13.826,
140.505

■ 39, 18.796,
140.133

Harmonies

Complementary

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



19, 28.760, 323.758



27, 28.576, 138.366

Rectangle

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



19, 28.760, 323.758



19, 28.760, 13.758



19, 28.760, 143.758



19, 28.760, 193.758

Sweetspot

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



19, 28.759, 323.758



35, 10.745, 322.270



16, 23.454, 292.345



16, 7.151, 322.306



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 28.759, 323.758



23, 41.514, 324.143



19, 22.754, 342.062



13, 3.023, 321.912



20, 58.318, 324.386



50, 106.603, 324.107

Inverse Universe

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



18, 19.426, 16.889



22, 29.238, 19.731



27, 22.244, 153.224



13, 1.816, 11.272



19, 47.337, 31.347



47, 91.166, 36.181

Previews

White Background



This preview shows how the CIE LCh color 19, 28.760, 323.758 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, 28.760, 323.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

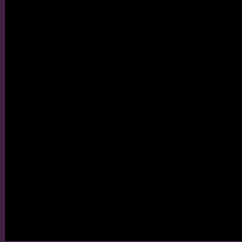
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 28.760, 323.758

Background



This preview shows how black text looks on a background with the CIELCh color 19, 28.760, 323.758.



This preview shows how white text looks on a background with the CIELCh color 19, 28.760, 323.758.

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, 28.760, 323.758

Protanopia

19, 24.789, 284.243

Deuteranopia

19, 15.901, 283.059



Tritanopia
19, 11.562, 12.161

Trichromacy



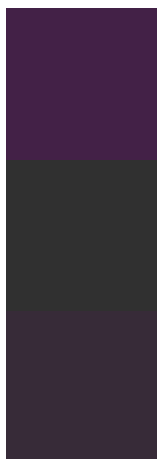
Original Color
19, 28.760, 323.758

Protanomaly
19, 25.447, 297.601

Deuteranomaly
19, 20.245, 303.632

Tritanomaly
19, 16.388, 342.156

Monochromacy



Original Color
19, 28.760, 323.758

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 10.436, 323.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 28.760, 323.758 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(67, 33, 71)` looks like.

```
.text, #text, p{  
    color:rgb(67, 33, 71)  
}
```

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(67, 33, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 33, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 28.760, 323.758 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(67, 33, 71) }
```

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

```
.border{ border-color:rgb(67, 33, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 33, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 33, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 33, 71);  
box-shadow:4px 4px 4px 4px rgb(67, 33, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 28.760, 323.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 33, 71) }
```

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

```
.background{ background-color: rgb(67, 33,  
71) }
```

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