

Converting Colors

CIELCh(19, 21.481, 338.524)

Have a look what the booklet for
CIELCh(19, 21.481, 338.524)
contains.

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Color

CIELCh(19, 21.380, 338.694)

Conversions

Conversions Part 1

Format	Color
Hex	45233A
RGB	69, 35, 58
RGB Percent	27%, 14%, 23%
CMY	0.7304, 0.8637, 0.7735
CMYK	0.00, 0.49, 0.16, 0.73
HSL	319°, 33%, 20%
HSV	319°, 49%, 27%
XYZ	3.7874, 2.7468, 4.3010
YIQ	47.7880, 12.8810, 14.3610

Conversions

Conversions Part 2

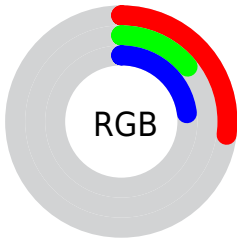
Format	Color
R _Y B	69, 35, 58
Decimal	4531002
CIE Lab	19.00, 19.92, -7.77
CIE LCh	19, 21.380, 338.694
Yxy	2.7468, 0.3495, 0.2535
Android (android.graphics.Color)	4282721082 (0xFF45233A)
YUV	47.7880, 5.0345, 18.6029
Hunter-Lab	16.5735, 11.7877, -3.7847

Details

The CIELCh color **19, 21.380, 338.694** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 21.094, 151.245**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 21.014, 338.744**, and **2, 11.443, 345.721** is the 20% darker color. If you saturate the color by 10%, you get **17, 25.281, 339.566**, and if you desaturate by 10%, it is **21, 17.195, 337.896**.

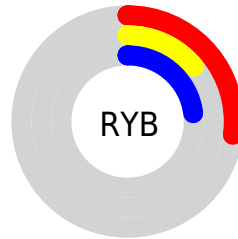
Distribution



Red (27%)

Green (14%)

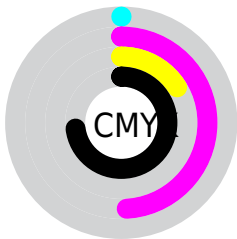
Blue (23%)



Red (27%)

Yellow (14%)

Blue (23%)

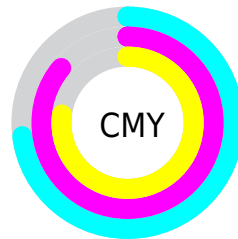


Cyan (0%)

Magenta (49%)

Yellow (16%)

Black (73%)



Cyan (73%)


Magenta (86%)

Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 21.380, 338.694 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, 21.380, 338.694 by changing the saturation by 10% instead.

 19, 21.380,
338.694

 19, 21.380,
338.694

 100, 21.380,
338.694


 9, 21.380, 338.694


 39, 21.380,
338.694

 0, 21.380, 338.694

 49, 21.380,
338.694

 59, 21.380,
338.694

 69, 21.380,
338.694

 79, 21.380,
338.694

 89, 21.380,


338.694


 99, 21.380,
338.694


 19, 21.380,
338.694


 19, 21.380,
338.694

 17, 25.281,
339.566


 21, 17.195,
337.896

 16, 28.747,
340.532


 23, 12.857,
337.154

 14, 31.604,
341.629

 25, 8.463, 336.456

 13, 33.788,
342.870

 27, 4.081, 335.786

 12, 36.067,
344.015

 29, 0.241, 155.883

 32, 4.476, 154.669

■ 12, 36.207,
344.075

■ 34, 8.606, 154.104

■ 36, 12.624,
153.579

■ 38, 16.528,
153.086

Harmonies

Complementary

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



19, 21.380, 338.694



26, 21.094, 151.245

Rectangle

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



19, 21.380, 338.694



19, 21.380, 28.694



19, 21.380, 158.694



19, 21.380, 208.694

Sweetspot

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



19, 21.379, 338.695



34, 8.098, 336.199



16, 24.112, 305.541



16, 5.576, 336.265



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, 21.379, 338.695



23, 31.039, 339.747



18, 17.303, 10.174



12, 2.334, 335.720



20, 45.328, 345.172



50, 82.408, 346.955

Inverse Universe

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



19, 21.379, 338.695



23, 31.039, 339.747



27, 14.187, 180.369



12, 2.334, 335.720



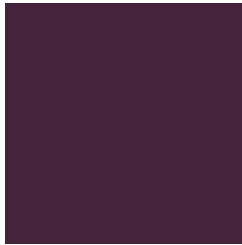
20, 45.328, 345.172



50, 82.408, 346.955

Previews

White Background



This preview shows how the CIE LCh color 19, 21.380, 338.694 looks on a white background.

Color Contrast Check

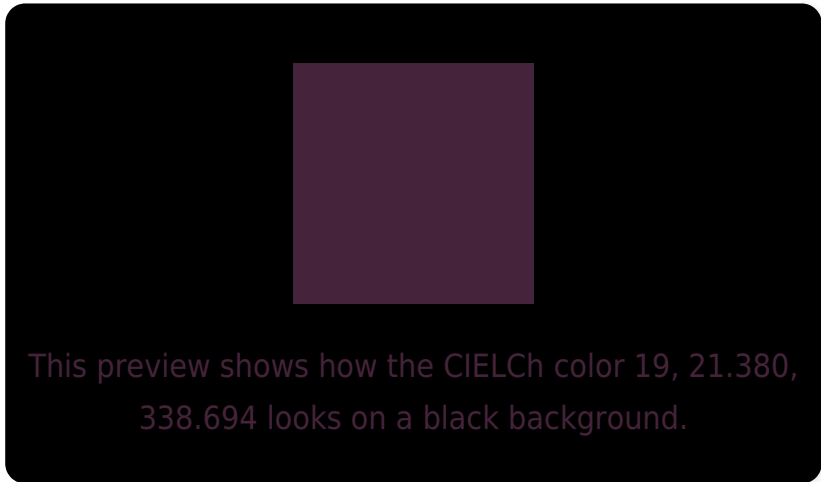
Large Text (above 18pt) WCAG AA ✓ Pass

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

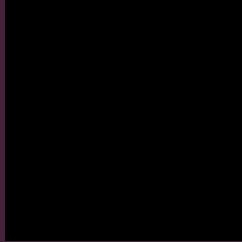
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 21.380, 338.694

Background



This preview shows how black text looks on a background with the CIELCh color 19, 21.380, 338.694.



This preview shows how white text looks on a background with the CIELCh color 19, 21.380, 338.694.

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, 21.380, 338.694

Protanopia

19, 13.758, 285.246

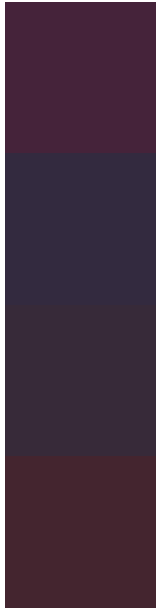
Deuteranopia

19, 6.871, 295.479



Tritanopia
19, 14.662, 15.231

Trichromacy



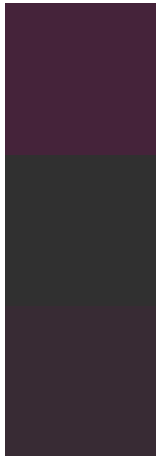
Original Color
19, 21.380, 338.694

Protanomaly
19, 14.980, 308.096

Deuteranomaly
19, 11.834, 321.816

Tritanomaly
19, 16.216, 359.250

Monochromacy



Original Color
19, 21.380, 338.694

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 8.622, 335.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 21.380, 338.694 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(69, 35, 58)` looks like.

```
.text, #text, p{  
    color:rgb(69, 35, 58)  
}
```

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(69, 35, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 35, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 21.380, 338.694 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(69, 35, 58) }
```

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

```
.border{ border-color:rgb(69, 35, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 35, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 35, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 35, 58);  
box-shadow:4px 4px 4px 4px rgb(69, 35, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 21.380, 338.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 35, 58) }
```

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

```
.background{ background-color: rgb(69, 35,  
58) }
```

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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