

Converting Colors

CIELCh(19, 38.503, 338.560)

Have a look what the booklet for
CIELCh(19, 38.503, 338.560)
contains.

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Color

CIELCh(19, 38.340, 338.918)

Conversions

Conversions Part 1

Format	Color
Hex	551243
RGB	85, 18, 67
RGB Percent	33%, 7%, 26%
CMY	0.6676, 0.9304, 0.7381
CMYK	0.00, 0.79, 0.21, 0.67
HSL	316°, 65%, 20%
HSV	316°, 79%, 33%
XYZ	4.9433, 2.7468, 5.5457
YIQ	43.6190, 24.2030, 29.4430

Conversions

Conversions Part 2

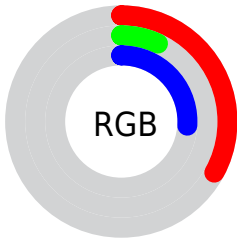
Format	Color
RYB	85, 18, 67
Decimal	5575235
CIELab	19.00, 35.77, -13.79
CIElCh	19, 38.340, 338.918
Yxy	2.7468, 0.3735, 0.2075
Android (android.graphics.Color)	4283765315 (0xFF551243)
YUV	43.6190, 11.5268, 36.2911
Hunter-Lab	16.5735, 24.2362, -8.2376




Details

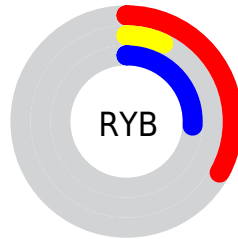
The CIELCh color **19, 38.340, 338.918** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 39.529, 145.037**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 38.295, 338.955**, and **5, 22.833, 345.587** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.672, 340.007**, and if you desaturate by 10%, it is **20, 35.014, 337.961**.

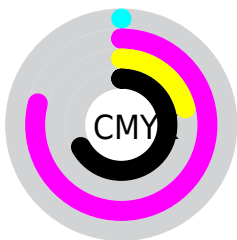
Distribution







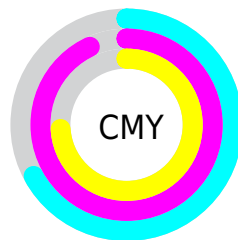
-  Red (33%)
-  Green (7%)
-  Blue (26%)






-  Red (33%)
-  Yellow (7%)
-  Blue (26%)



-  Cyan (0%)
-  Magenta (79%)
-  Yellow (21%)
-  Black (67%)





-  Cyan (67%)
-  Magenta (93%)
-  Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 38.340, 338.918 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, 38.340, 338.918 by changing the saturation by 10% instead.

 19, 38.340,
338.918

 19, 38.340,
338.918


 100, 38.340,
338.918


 9, 38.340, 338.918


 39, 38.340,
338.918

 0, 38.340, 338.918

 49, 38.340,
338.918


 59, 38.340,
338.918


 69, 38.340,
338.918


 79, 38.340,
338.918


 89, 38.340,


338.918


 99, 38.340,
338.918


 19, 38.340,
338.918


 19, 38.340,
338.918


 18, 40.672,
340.007


 20, 35.014,
337.961


 17, 42.697,
341.103

 22, 30.880,
337.099

 17, 42.897,
341.200

 24, 26.153,
336.305

 26, 21.036,
335.563

 29, 15.702,
334.862

■ 31, 10.279,
334.193

■ 34, 4.861, 333.544

■ 36, 0.488, 153.344

■ 39, 5.731, 152.442

Harmonies

Complementary

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



19, 38.340, 338.918



31, 39.529, 145.037

Rectangle

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



19, 38.340, 338.918



19, 38.340, 28.918



19, 38.340, 158.918



19, 38.340, 208.918

Sweetspot

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



19, 38.338, 338.918



39, 16.026, 334.573



12, 46.742, 306.861



18, 11.101, 334.724



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, 38.338, 338.918



24, 50.211, 341.127



18, 32.646, 14.128



16, 3.055, 333.527



23, 50.231, 341.710



52, 88.253, 342.893

Inverse Universe

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



19, 38.338, 338.918



24, 50.211, 341.127



32, 24.866, 172.422



16, 3.055, 333.527



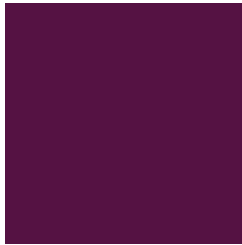
23, 50.231, 341.710



52, 88.253, 342.893

Previews

White Background



This preview shows how the CIE LCh color 19, 38.340, 338.918 looks on a white background.

Color Contrast Check

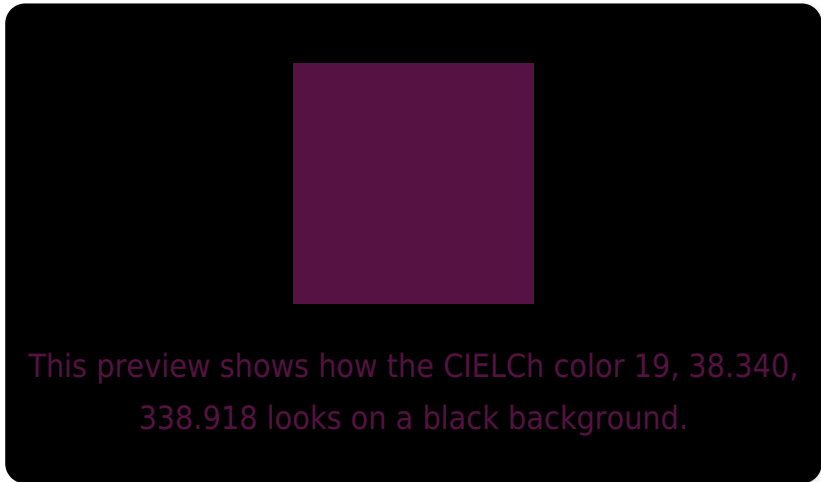
Large Text (above 18pt) WCAG AA ✓ Pass

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

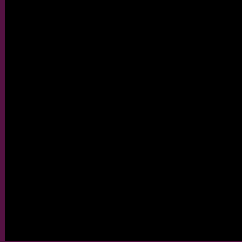
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 38.340, 338.918

Background



This preview shows how black text looks on a background with the CIELCh color 19, 38.340, 338.918.



This preview shows how white text looks on a background with the CIELCh color 19, 38.340, 338.918.

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, 38.340, 338.918

Protanopia

20, 29.414, 285.204

Deuteranopia

20, 10.924, 288.424



Tritanopia
19, 26.891, 24.216

Trichromacy



Original Color
19, 38.340, 338.918

Protanomaly
18, 31.908, 303.967

Deuteranomaly
18, 21.448, 321.147

Tritanomaly
19, 28.480, 3.163

Monochromacy



Original Color
19, 38.340, 338.918

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 16.444, 334.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 38.340, 338.918 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(85, 18, 67)` looks like.

```
.text, #text, p{  
    color:rgb(85, 18, 67)  
}
```

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(85, 18, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 18, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 38.340, 338.918 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(85, 18, 67) }
```

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

```
.border{ border-color:rgb(85, 18, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 18, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 18, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 18, 67);  
box-shadow:4px 4px 4px 4px rgb(85, 18, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 38.340, 338.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 18, 67) }
```

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

```
.background{ background-color: rgb(85, 18,  
67) }
```

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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