

Converting Colors

CIELCh(18, 38.503, 335.131)

Have a look what the booklet for
CIELCh(18, 38.503, 335.131)
contains.

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Color

CIELCh(18, 38.500, 335.079)

Conversions

Conversions Part 1

Format	Color
Hex	501144
RGB	80, 17, 68
RGB Percent	31%, 7%, 27%
CMY	0.6865, 0.9336, 0.7336
CMYK	0.00, 0.79, 0.15, 0.69
HSL	311°, 65%, 19%
HSV	311°, 79%, 31%
XYZ	4.5438, 2.5180, 5.7060
YIQ	41.6510, 21.1770, 29.2170

Conversions

Conversions Part 2

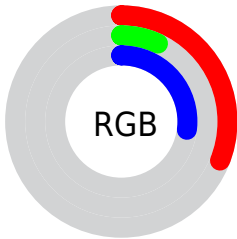
Format	Color
RYB	80, 17, 68
Decimal	5247300
CIELab	18.00, 34.92, -16.22
CIELCh	18, 38.500, 335.079
Yxy	2.5180, 0.3559, 0.1972
Android (android.graphics.Color)	4283437380 (0xFF501144)
YUV	41.6510, 12.9901, 33.6321
Hunter-Lab	15.8683, 23.3430, -10.2118




Details

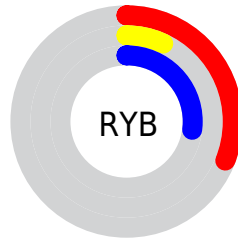
The CIELCh color **18, 38.500, 335.079** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 39.821, 142.692**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 38.187, 335.568**, and **4, 20.186, 339.642** is the 20% darker color. If you saturate the color by 10%, you get **17, 40.976, 335.822**, and if you desaturate by 10%, it is **19, 35.084, 334.384**.

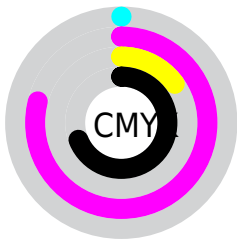
Distribution







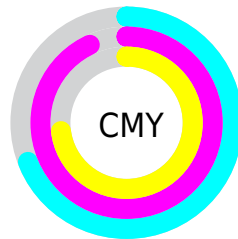
-  Red (31%)
-  Green (7%)
-  Blue (27%)






-  Red (31%)
-  Yellow (7%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (79%)
-  Yellow (15%)
-  Black (6%)



-  Cyan (69%)
-  Magenta (93%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 38.500, 335.079 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 18, 38.500, 335.079 by changing the saturation by 10% instead.

■ 18, 38.500,
335.079

■ 18, 38.500,
335.079

■ 100, 38.500,
335.079

■ 8, 38.500, 335.079

■ 38, 38.500,
335.079

■ 0, 38.500, 335.079

■ 48, 38.500,
335.079


■ 58, 38.500,
335.079


■ 68, 38.500,
335.079


■ 78, 38.500,
335.079


■ 88, 38.500,


335.079


 98, 38.500,
335.079


 18, 38.500,
335.079


 18, 38.500,
335.079


 17, 40.976,
335.822


 19, 35.084,
334.384


 16, 43.210,
336.548

 21, 30.897,
333.720

 16, 43.489,
336.630

 23, 26.139,
333.078

 25, 21.003,
332.453

 27, 15.649,
331.842

■ 29, 10.203,
331.245

■ 32, 4.757, 330.653

■ 34, 0.628, 150.384

■ 37, 5.912, 149.626

Harmonies

Complementary

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



18, 38.500, 335.079



29, 39.821, 142.692

Rectangle

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



18, 38.500, 335.079



18, 38.500, 25.079



18, 38.500, 155.079



18, 38.500, 205.079

Sweetspot

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



18, 38.499, 335.079



37, 16.270, 331.605



11, 44.661, 305.105



17, 11.269, 331.733



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 38.499, 335.079



23, 51.180, 336.593



17, 30.894, 7.116



15, 3.067, 330.649



22, 52.135, 336.999



53, 92.619, 337.743

Inverse Universe

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



18, 38.499, 335.079



23, 51.180, 336.593



30, 25.771, 166.059



15, 3.067, 330.649



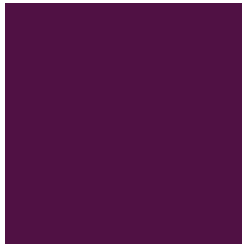
22, 52.135, 336.999



53, 92.619, 337.743

Previews

White Background



This preview shows how the CIE LCh color 18, 38.500, 335.079 looks on a white background.

Color Contrast Check

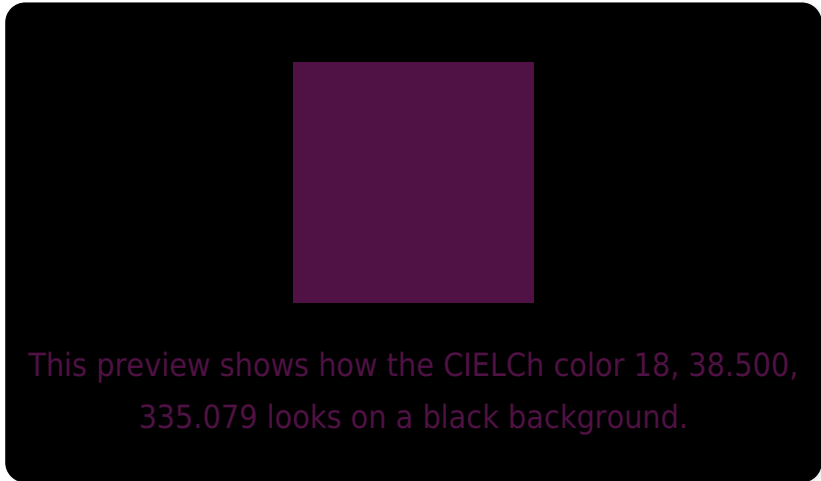
Large Text (above 18pt) WCAG AA ✓ Pass

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

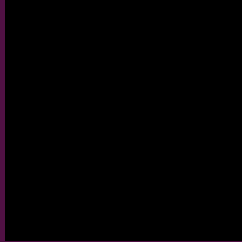
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 38.500, 335.079

Background



This preview shows how black text looks on a background with the CIELCh color 18, 38.500, 335.079.



This preview shows how white text looks on a background with the CIELCh color 18, 38.500, 335.079.

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

18, 38.500, 335.079

Protanopia

19, 32.423, 285.525

Deuteranopia

19, 13.130, 284.675



Tritanopia
18, 24.407, 23.239

Trichromacy



Original Color
18, 38.500, 335.079

Protanomaly
17, 34.049, 300.707

Deuteranomaly
17, 22.276, 316.407

Tritanomaly
18, 27.096, 359.544

Monochromacy



Original Color
18, 38.500, 335.079

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 16.211, 333.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 38.500, 335.079 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(80, 17, 68)` looks like.

```
.text, #text, p{  
    color:rgb(80, 17, 68)  
}
```

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(80, 17, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 17, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 38.500, 335.079 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(80, 17, 68) }
```

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

```
.border{ border-color:rgb(80, 17, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 17, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 17, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 17, 68);  
box-shadow:4px 4px 4px 4px rgb(80, 17, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 38.500, 335.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 17, 68) }
```

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

```
.background{ background-color: rgb(80, 17,  
68) }
```

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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