

Converting Colors

CIELCh(19, 35.907, 348.797)

Have a look what the booklet for
CIELCh(19, 35.907, 348.797)
contains.

CIELCh(19, 35.990, 348.647)	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, 35.990, 348.647)

Conversions

Conversions Part 1

Format	Color
Hex	571139
RGB	87, 17, 57
RGB Percent	34%, 7%, 22%
CMY	0.6578, 0.9322, 0.7756
CMYK	0.00, 0.80, 0.34, 0.66
HSL	326°, 67%, 21%
HSV	326°, 80%, 34%
XYZ	4.9046, 2.7468, 4.1727
YIQ	42.4900, 28.8800, 27.2800

Conversions

Conversions Part 2

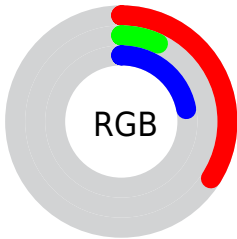
Format	Color
R_{YB}	87, 17, 57
Decimal	5706041
CIE Lab	19.00, 35.29, -7.08
CIE LCh	19, 35.990, 348.647
Yxy	2.7468, 0.4148, 0.2323
Android (android.graphics.Color)	4283896121 (0xFF571139)
YUV	42.4900, 7.1534, 39.0353
Hunter-Lab	16.5735, 23.8196, -3.3260

Details

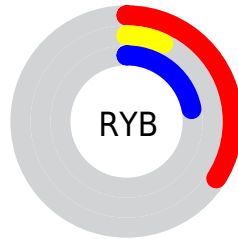
The CIELCh color **19, 35.990, 348.647** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 35.781, 151.121**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 36.270, 348.680**, and **5, 20.814, 3.452** is the 20% darker color. If you saturate the color by 10%, you get **18, 38.112, 350.692**, and if you desaturate by 10%, it is **21, 32.925, 346.965**.

Distribution



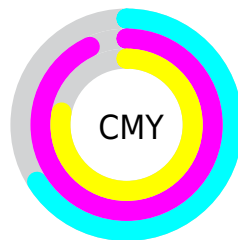
- Red (34%)
- Green (7%)
- Blue (22%)



- Red (34%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (80%)
- Yellow (34%)
- Black (66%)



- Cyan (66%)
- Magenta (93%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 35.990, 348.647 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, 35.990, 348.647 by changing the saturation by 10% instead.

■ 19, 35.990,
348.647

■ 19, 35.990,
348.647

■ 100, 35.990,
348.647

■ 9, 35.990, 348.647

■ 39, 35.990,
348.647

■ 0, 35.990, 348.647

■ 49, 35.990,
348.647


■ 59, 35.990,
348.647


■ 69, 35.990,
348.647


■ 79, 35.990,
348.647

■ 89, 35.990,


348.647


 99, 35.990,
348.647


 19, 35.990,
348.647


 19, 35.990,
348.647


 18, 38.112,
350.692


 21, 32.925,
346.965

 17, 40.040,
352.717

 22, 29.084,
345.558

 24, 24.682,
344.355

 27, 19.923,
343.302

 29, 14.976,
342.363

■ 32, 9.968, 341.509

■ 34, 4.987, 340.714

■ 37, 0.089, 337.697

■ 40, 4.691, 159.425

Harmonies

Complementary

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



19, 35.990, 348.647



32, 35.781, 151.121

Rectangle

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



19, 35.990, 348.647



19, 35.990, 38.647



19, 35.990, 168.647



19, 35.990, 218.647

Sweetspot

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



19, 35.988, 348.648



39, 14.627, 341.891



14, 47.934, 310.375



18, 9.949, 342.077



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, 35.988, 348.648



23, 46.818, 352.834



18, 35.594, 26.118



16, 2.724, 340.603



22, 45.989, 353.622



51, 80.890, 356.050

Inverse Universe

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



19, 35.988, 348.648



23, 46.818, 352.834



33, 22.363, 186.856



16, 2.724, 340.603



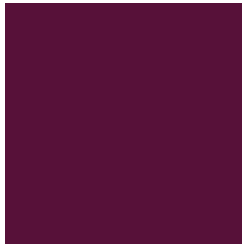
22, 45.989, 353.622



51, 80.890, 356.050

Previews

White Background



This preview shows how the CIE LCh color 19, 35.990, 348.647 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

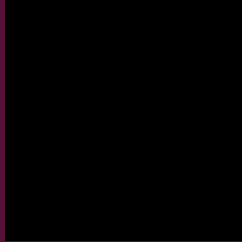
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 35.990, 348.647

Background



This preview shows how black text looks on a background with the CIELCh color 19, 35.990, 348.647.



This preview shows how white text looks on a background with the CIELCh color 19, 35.990, 348.647.

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, 35.990, 348.647

Protanopia

20, 21.254, 284.844

Deuteranopia

20, 4.983, 307.065



Tritanopia
19, 30.312, 27.001

Trichromacy



Original Color
19, 35.990, 348.647

Protanomaly
18, 24.579, 313.107

Deuteranomaly
18, 17.956, 338.103

Tritanomaly
19, 30.860, 10.683

Monochromacy



Original Color
19, 35.990, 348.647

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 15.069, 343.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 35.990, 348.647 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(87, 17, 57)` looks like.

```
.text, #text, p{  
    color:rgb(87, 17, 57)  
}
```

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(87, 17, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 17, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 35.990, 348.647 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(87, 17, 57) }
```

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

```
.border{ border-color:rgb(87, 17, 57) }
```

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

Here you see how a box with a 4 pixel rgb(87, 17, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 17, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 17, 57);  
box-shadow:4px 4px 4px 4px rgb(87, 17, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 35.990, 348.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 17, 57) }
```

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

```
.background{ background-color: rgb(87, 17,  
57) }
```

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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