

Converting Colors

CIELCh(19, 36.053, 336.349)

Have a look what the booklet for
CIELCh(19, 36.053, 336.349)
contains.

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Color

CIELCh(19, 36.215, 335.997)

Conversions

Conversions Part 1

Format	Color
Hex	511644
RGB	81, 22, 68
RGB Percent	32%, 9%, 27%
CMY	0.6821, 0.9134, 0.7331
CMYK	0.00, 0.73, 0.16, 0.68
HSL	313°, 57%, 20%
HSV	313°, 73%, 32%
XYZ	4.7325, 2.7468, 5.7595
YIQ	44.8850, 20.3980, 26.8140

Conversions

Conversions Part 2

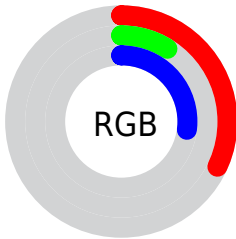
Format	Color
R_{YB}	81, 22, 68
Decimal	5314116
CIE _{Lab}	19.00, 33.08, -14.73
CIE _{LCh}	19, 36.215, 335.997
Yxy	2.7468, 0.3575, 0.2075
Android (android.graphics.Color)	4283504196 (0xFF511644)
YUV	44.8850, 11.3957, 31.6729
Hunter-Lab	16.5735, 21.9667, -9.0024

Details

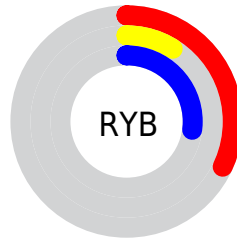
The CIELCh color **19, 36.215, 335.997** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 36.987, 144.454**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 36.276, 335.897**, and **4, 21.273, 342.184** is the 20% darker color. If you saturate the color by 10%, you get **18, 39.223, 336.811**, and if you desaturate by 10%, it is **21, 32.350, 335.245**.

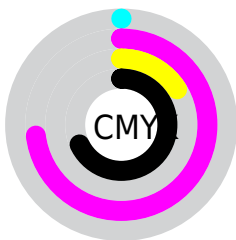
Distribution



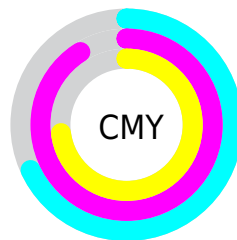
- Red (32%)
- Green (9%)
- Blue (27%)



- Red (32%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (73%)
- Yellow (16%)
- Black (68%)





- Cyan (68%)
- Magenta (91%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 19, 36.215, 335.997 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, 36.215, 335.997 by changing the saturation by 10% instead.


 19, 36.215,
335.997


 19, 36.215,
335.997


 100, 36.215,
335.997


 9, 36.215, 335.997


 39, 36.215,
335.997

 0, 36.215, 335.997

 49, 36.215,
335.997


 59, 36.215,
335.997


 69, 36.215,
335.997


 79, 36.215,
335.997


 89, 36.215,


335.997

 99, 36.215,
335.997


 19, 36.215,
335.997


 19, 36.215,
335.997


 18, 39.223,
336.811

 21, 32.350,
335.245


 17, 41.394,
337.689

 22, 27.833,
334.537

 16, 42.997,
338.290

 24, 22.865,
333.860

 27, 17.623,
333.209

 29, 12.247,
332.579

■ 31, 6.841, 331.966

■ 34, 1.478, 331.300

■ 36, 3.796, 150.900

■ 39, 8.952, 150.344

Harmonies

Complementary

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



19, 36.215, 335.997



30, 36.987, 144.454

Rectangle

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



19, 36.215, 335.997



19, 36.215, 25.997



19, 36.215, 155.997



19, 36.215, 205.997

Sweetspot

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



19, 36.214, 335.997



38, 14.599, 332.578



13, 41.610, 305.147



18, 9.892, 332.666



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 36.214, 335.997



23, 48.647, 337.450



18, 29.237, 8.047



15, 3.002, 331.718



22, 51.039, 338.717



52, 90.563, 339.632

Inverse Universe

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



19, 36.214, 335.997



23, 48.647, 337.450



30, 23.842, 169.407



15, 3.002, 331.718



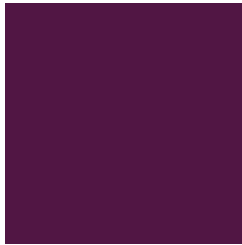
22, 51.039, 338.717



52, 90.563, 339.632

Previews

White Background



This preview shows how the CIELCh color 19, 36.215, 335.997 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

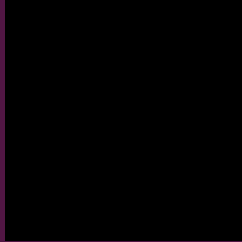
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 36.215, 335.997

Background



This preview shows how black text looks on a background with the CIELCh color 19, 36.215, 335.997.



This preview shows how white text looks on a background with the CIELCh color 19, 36.215, 335.997.

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, 36.215, 335.997

Protanopia

20, 28.816, 285.336

Deuteranopia

20, 12.335, 285.605



Tritanopia
19, 23.161, 22.409

Trichromacy



Original Color
19, 36.215, 335.997

Protanomaly
18, 30.489, 302.796

Deuteranomaly
19, 20.769, 316.651

Tritanomaly
19, 25.594, 359.863

Monochromacy



Original Color
19, 36.215, 335.997

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 14.541, 333.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 36.215, 335.997 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(81, 22, 68)` looks like.

```
.text, #text, p{  
    color:rgb(81, 22, 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(81, 22, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 22, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 36.215, 335.997 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(81, 22, 68) }
```

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

```
.border{ border-color:rgb(81, 22, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 22, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 22, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 22, 68);  
box-shadow:4px 4px 4px 4px rgb(81, 22, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 36.215, 335.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 22, 68) }
```

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

```
.background{ background-color: rgb(81, 22,  
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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