

Converting Colors

CIELCh(19, 33.900, 334.038)

Have a look what the booklet for
CIELCh(19, 33.900, 334.038)
contains.

CIELCh(19, 34.117, 334.237)	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, 34.117, 334.237)

Conversions

Conversions Part 1

Format	Color
Hex	4E1944
RGB	78, 25, 68
RGB Percent	31%, 10%, 27%
CMY	0.6935, 0.9014, 0.7328
CMYK	0.00, 0.68, 0.13, 0.69
HSL	311°, 51%, 20%
HSV	311°, 68%, 31%
XYZ	4.5529, 2.7468, 5.7819
YIQ	45.7490, 17.7850, 24.6090

Conversions

Conversions Part 2

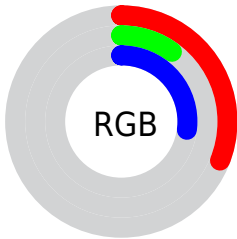
Format	Color
RYB	78, 25, 68
Decimal	5118276
CIELab	19.00, 30.73, -14.83
CIElCh	19, 34.117, 334.237
Yxy	2.7468, 0.3480, 0.2100
Android (android.graphics.Color)	4283308356 (0xFF4E1944)
YUV	45.7490, 10.9697, 28.2841
Hunter-Lab	16.5735, 20.0319, -9.0826

Details

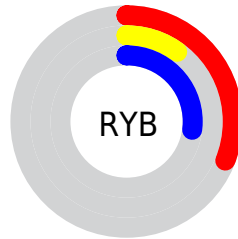
The CIELCh color **19, 34.117, 334.237** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 34.632, 144.173**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 34.312, 334.432**, and **4, 19.632, 338.270** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.575, 334.921**, and if you desaturate by 10%, it is **21, 29.924, 333.582**.

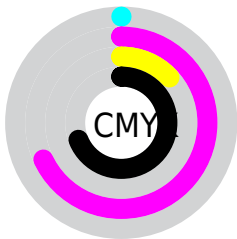
Distribution



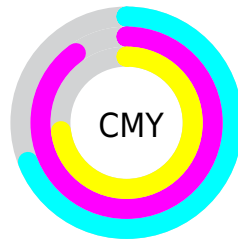
- Red (31%)
- Green (10%)
- Blue (27%)



- Red (31%)
- Yellow (10%)
- Blue (27%)



- Cyan (0%)
- Magenta (68%)
- Yellow (13%)
- Black (69%)





- Cyan (69%)
- Magenta (90%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 34.117, 334.237 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, 34.117, 334.237 by changing the saturation by 10% instead.

 19, 34.117,
334.237

 19, 34.117,
334.237

 100, 34.117,
334.237

 9, 34.117, 334.237

 39, 34.117,
334.237

 0, 34.117, 334.237

 49, 34.117,
334.237

 59, 34.117,
334.237

 69, 34.117,
334.237

 79, 34.117,
334.237


 89, 34.117,


334.237


 99, 34.117,
334.237


 19, 34.117,
334.237


 19, 34.117,
334.237


 18, 37.575,
334.921


 21, 29.924,
333.582


 17, 40.128,
335.649

 22, 25.196,
332.947

 16, 42.371,
336.367

 25, 20.118,
332.327

 15, 42.892,
336.515

 27, 14.843,
331.721

 29, 9.489, 331.128

■ 31, 4.142, 330.538

■ 34, 1.140, 150.163

■ 36, 6.320, 149.522

■ 39, 11.376,
149.005

Harmonies

Complementary

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



19, 34.117, 334.237



29, 34.632, 144.173

Rectangle

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



19, 34.117, 334.237



19, 34.117, 24.237



19, 34.117, 154.237



19, 34.117, 204.237

Sweetspot

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



19, 34.116, 334.237



37, 13.288, 331.300



13, 37.536, 303.780



17, 8.955, 331.386



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 34.116, 334.237



24, 47.201, 335.364



18, 26.753, 4.083



14, 2.905, 330.587



22, 51.313, 336.883



52, 91.965, 337.643

Inverse Universe

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



19, 34.116, 334.237



24, 47.201, 335.364



29, 22.675, 167.730



14, 2.905, 330.587



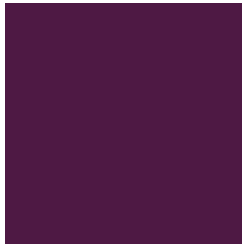
22, 51.313, 336.883



52, 91.965, 337.643

Previews

White Background



This preview shows how the CIE LCh color 19, 34.117, 334.237 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



This preview shows how the CIE LCh color 19, 34.117, 334.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

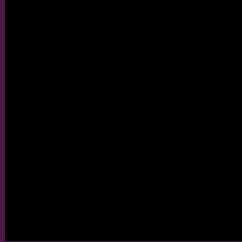
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 34.117, 334.237

Background



This preview shows how black text looks on a background with the CIELCh color 19, 34.117, 334.237.



This preview shows how white text looks on a background with the CIELCh color 19, 34.117, 334.237.

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, 34.117, 334.237

Protanopia

20, 27.456, 285.262

Deuteranopia

20, 12.380, 283.822



Tritanopia
19, 20.951, 19.615

Trichromacy



Original Color
19, 34.117, 334.237

Protanomaly
18, 29.075, 302.182

Deuteranomaly
19, 19.728, 313.848

Tritanomaly
19, 23.443, 357.727

Monochromacy



Original Color
19, 34.117, 334.237

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 14.224, 332.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 34.117, 334.237 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(78, 25, 68)` looks like.

```
.text, #text, p{  
    color:rgb(78, 25, 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(78, 25, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 25, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 34.117, 334.237 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(78, 25, 68) }
```

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

```
.border{ border-color:rgb(78, 25, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 25, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 25, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 25, 68);  
box-shadow:4px 4px 4px 4px rgb(78, 25, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 34.117, 334.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 25, 68) }
```

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

```
.background{ background-color: rgb(78, 25,  
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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