

Converting Colors

CIELCh(0, 47.129, 319.244)

Have a look what the booklet for
CIELCh(0, 47.129, 319.244) contains.

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Color

CIELCh(5, 34.278, 316.486)

Conversions

Conversions Part 1

Format	Color
Hex	200131
RGB	32, 1, 49
RGB Percent	13%, 0%, 19%
CMY	0.8726, 0.9964, 0.8092
CMYK	0.33, 0.98, 0.00, 0.81
HSL	280°, 96%, 10%
HSV	280°, 98%, 19%
XYZ	1.1678, 0.5535, 2.9118
YIQ	15.7410, 3.0680, 21.5000

Conversions

Conversions Part 2

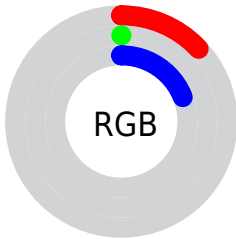
Format	Color
R_{YB}	32, 1, 49
Decimal	2097457
CIE Lab	5.00, 24.86, -23.60
CIE LCh	5, 34.278, 316.486
Yxy	0.5535, 0.2521, 0.1195
Android (android.graphics.Color)	4280287537 (0xFF200131)
YUV	15.7410, 16.3967, 14.2591
Hunter-Lab	7.4400, 14.9983, -17.9962

Details

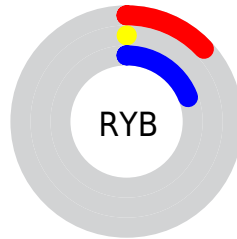
The CIELCh color **5, 34.278, 316.486** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 32.023, 132.788**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **25, 34.597, 315.887**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **5, 34.755, 316.415**, and if you desaturate by 10%, it is **6, 31.649, 316.796**.

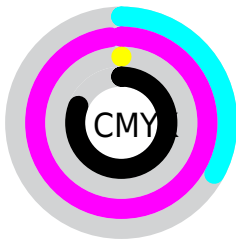
Distribution



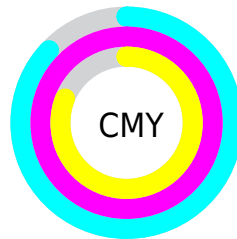
- Red (13%)
- Green (0%)
- Blue (19%)



- Red (13%)
- Yellow (0%)
- Blue (19%)



- Cyan (33%)
- Magenta (98%)
- Yellow (0%)
- Black (81%)



- Cyan (87%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 5, 34.278, 316.486 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 5, 34.278, 316.486 by changing the saturation by 10% instead.

 5, 34.278, 316.486

 5, 34.278, 316.486


 95, 34.278,
316.486


 0, 34.278, 316.486

 25, 34.278,
316.486

 35, 34.278,
316.486

 45, 34.278,
316.486

 55, 34.278,
316.486

 65, 34.278,
316.486

 75, 34.278,
316.486

85, 34.278,
316.486

5, 34.278, 316.486

5, 34.278, 316.486

5, 34.755, 316.415

6, 31.649, 316.796

7, 28.886, 316.975

9, 25.576, 316.827

10, 21.955,
316.549

12, 18.192,
316.220

14, 14.367,
315.863

15, 10.535,
315.495

■ 17, 6.735, 315.128

■ 19, 2.993, 314.762

Harmonies

Complementary

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



5, 34.278, 316.486



17, 32.023, 132.788

Rectangle

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



5, 34.278, 316.486



5, 34.278, 6.486



5, 34.278, 136.486



5, 34.278, 186.486

Sweetspot

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



5, 34.278, 316.486



21, 13.657, 315.588



6, 23.327, 285.841



8, 9.479, 315.627



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



5, 34.278, 316.486



8, 44.351, 317.411



7, 32.035, 333.852



8, 2.117, 314.771



14, 55.824, 316.906



39, 106.775, 316.074

Inverse Universe

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



6, 25.137, 5.552



10, 31.334, 9.914



16, 32.310, 142.050



8, 1.485, 353.912



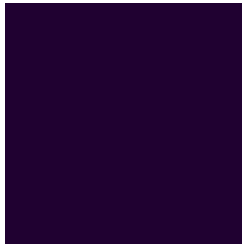
17, 39.548, 13.139



46, 76.506, 18.223

Previews

White Background



This preview shows how the CIELCh color 5, 34.278, 316.486 looks on a white background.

Color Contrast Check

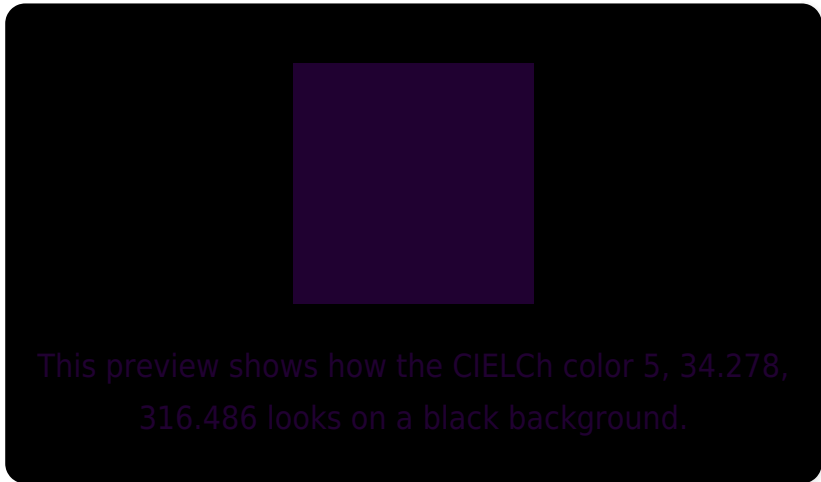
Large Text (above 18pt) WCAG AA ✓ Pass

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

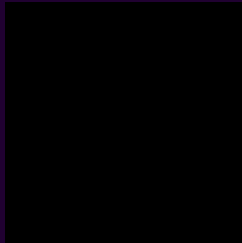
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 5, 34.278, 316.486

Background



This preview shows how black text looks on a background with the CIELCh color 5, 34.278, 316.486.



This preview shows how white text looks on a background with the CIELCh color 5, 34.278, 316.486.

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


5, 34.414, 315.980

Protanopia

6, 17.348, 273.881

Deuteranopia

6, 13.623, 262.806



Tritanopia
7, 4.123, 10.420

Trichromacy



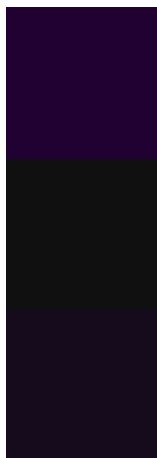
Original Color
5, 34.414, 315.980

Protanomaly
5, 22.645, 294.520

Deuteranomaly
5, 20.302, 293.154

Tritanomaly
6, 14.449, 323.863

Monochromacy



Original Color
5, 34.414, 315.980

Achromatopsia
5, 0.001, 296.812

Achromatomaly
4, 11.712, 311.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 5, 34.278, 316.486 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(32, 1, 49)` looks like.

```
.text, #text, p{  
    color:rgb(32, 1, 49)  
}
```

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(32, 1, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 1, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 5, 34.278, 316.486 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(32, 1, 49) }
```

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

```
.border{ border-color:rgb(32, 1, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 1, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 1, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(32, 1, 49); box-shadow:4px  
4px 4px 4px rgb(32, 1, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 5, 34.278, 316.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 1, 49) }
```

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

```
.background{ background-color: rgb(32, 1,  
49) }
```

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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