

Converting Colors

CIELCh(9, 30.109, 358.938)

Have a look what the booklet for
CIELCh(9, 30.109, 358.938) contains.

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Color

CIELCh(9, 30.033, 359.315)

Conversions

Conversions Part 1

Format	Color
Hex	3B001B
RGB	59, 0, 27
RGB Percent	23%, 0%, 11%
CMY	0.7693, 1.0000, 0.8946
CMYK	0.00, 1.00, 0.54, 0.77
HSL	333°, 100%, 12%
HSV	333°, 100%, 23%
XYZ	1.9892, 1.0010, 1.1174
YIQ	20.7190, 26.4970, 20.9050

Conversions

Conversions Part 2

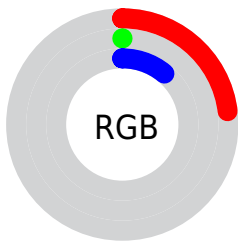
Format	Color
R_{YB}	59, 0, 27
Decimal	3866651
CIE _{Lab}	9.00, 30.03, -0.36
CIE _{LCh}	9, 30.033, 359.315
Yxy	1.0010, 0.4843, 0.2437
Android (android.graphics.Color)	4282056731 (0xFF3B001B)
YUV	20.7190, 3.0965, 33.5724
Hunter-Lab	10.0051, 17.9798, 0.3818

Details

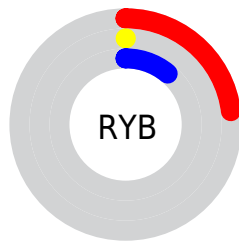
The CIELCh color **9, 30.033, 359.315** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 27.951, 154.980**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **29, 30.077, 359.369**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 29.975, 359.369**, and if you desaturate by 10%, it is **10, 27.421, 357.661**.

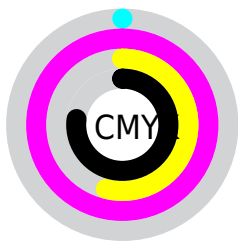
Distribution



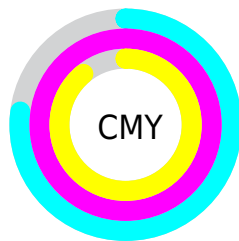
- Red (23%)
- Green (0%)
- Blue (11%)



- Red (23%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (77%)



- Cyan (77%)
- Magenta (100%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 30.033, 359.315 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 9, 30.033, 359.315 by changing the saturation by 10% instead.


 9, 30.033, 359.315


 9, 30.033, 359.315


 99, 30.033,
359.315


 0, 30.033, 359.315


 29, 30.033,
359.315

 39, 30.033,
359.315

 49, 30.033,
359.315

 59, 30.033,
359.315

 69, 30.033,
359.315

 79, 30.033,
359.315

89, 30.033,
359.315

9, 30.033, 359.315

9, 30.033, 359.315

9, 29.975, 359.369

10, 27.421,
357.661

11, 25.220,
355.550

12, 22.731,
353.633

14, 19.842,
352.040

15, 16.682,
350.691

17, 13.365,
349.526

■ 19, 9.983, 348.504

■ 21, 6.601, 347.588

■ 23, 3.265, 346.744

Harmonies

Complementary

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



9, 30.033, 359.315



21, 27.951, 154.980

Rectangle

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



9, 30.033, 359.315



9, 30.033, 49.315



9, 30.033, 179.315



9, 30.033, 229.315

Sweetspot

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



9, 29.975, 359.369



25, 12.439, 348.639



6, 41.690, 313.453



10, 8.335, 348.760



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



9, 29.975, 359.369



14, 35.493, 1.430



9, 30.390, 26.853



10, 1.870, 346.617



18, 40.896, 2.849



48, 75.993, 6.790

Inverse Universe

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



9, 29.975, 359.369



14, 35.493, 1.430



21, 16.932, 201.039



10, 1.870, 346.617



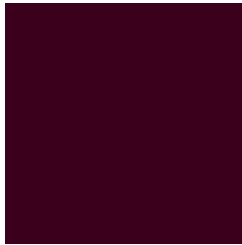
18, 40.896, 2.849



48, 75.993, 6.790

Previews

White Background



This preview shows how the CIELCh color 9, 30.033, 359.315 looks on a white background.

Color Contrast Check

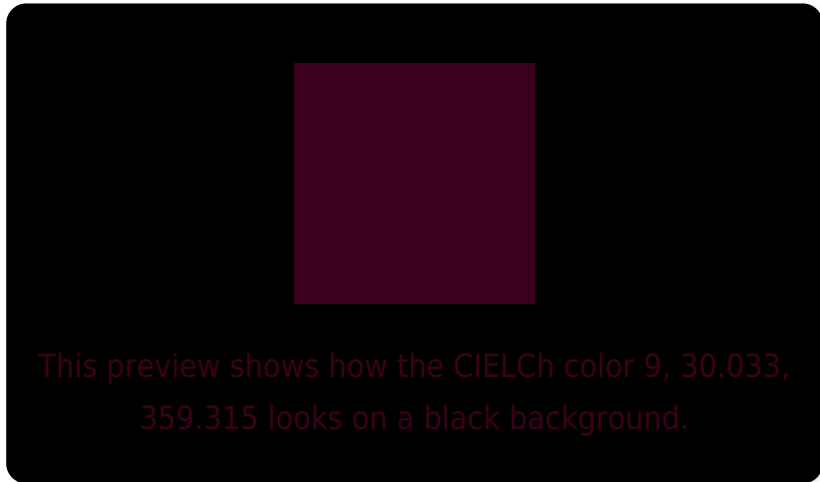
Large Text (above 18pt) WCAG AA ✓ Pass

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

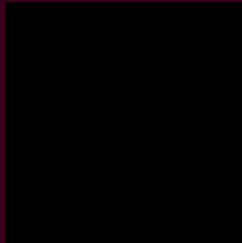
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 30.033, 359.315

Background



This preview shows how black text looks on a background with the CIELCh color 9, 30.033, 359.315.



This preview shows how white text looks on a background with the CIELCh color 9, 30.033, 359.315.

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

9, 30.033, 359.315

Protanopia

11, 6.600, 284.367

Deuteranopia

11, 4.890, 67.560



Tritanopia
10, 25.819, 27.279

Trichromacy



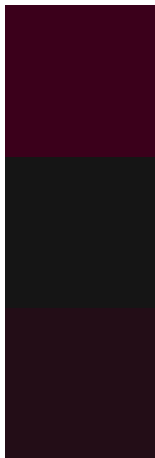
Original Color
9, 30.033, 359.315

Protanomaly
9, 15.007, 333.162

Deuteranomaly
9, 14.414, 4.508

Tritanomaly
10, 26.507, 17.949

Monochromacy



Original Color
9, 30.033, 359.315

Achromatopsia
7, 0.002, 296.812

Achromatomaly
6, 12.889, 352.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 30.033, 359.315 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(59, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(59, 0, 27)  
}
```

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(59, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 0, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 30.033, 359.315 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(59, 0, 27) }
```

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

```
.border{ border-color:rgb(59, 0, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 0, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 0, 27); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 0, 27); box-shadow:4px  
4px 4px 4px rgb(59, 0, 27) }
```

Background

The CSS property to change the background color of an element to CIELCh 9, 30.033, 359.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 0, 27) }
```

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

```
.background{ background-color: rgb(59, 0,  
27) }
```

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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