

Converting Colors

CIELCh(9, 15.058, 342.232)

Have a look what the booklet for
CIELCh(9, 15.058, 342.232) contains.

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Color

CIELCh(9, 15.020, 342.140)

Conversions

Conversions Part 1

Format	Color
Hex	291220
RGB	41, 18, 32
RGB Percent	16%, 7%, 13%
CMY	0.8397, 0.9299, 0.8750
CMYK	0.00, 0.56, 0.22, 0.84
HSL	323°, 39%, 12%
HSV	323°, 56%, 16%
XYZ	1.3826, 1.0010, 1.4781
YIQ	26.4730, 9.2140, 9.2300

Conversions

Conversions Part 2

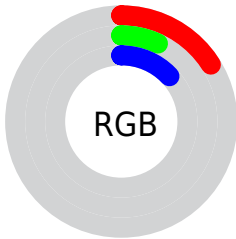
Format	Color
R_{YB}	41, 18, 32
Decimal	2691616
CIE Lab	9.00, 14.30, -4.61
CIE LCh	9, 15.020, 342.140
Yxy	1.0010, 0.3580, 0.2592
Android (android.graphics.Color)	4280881696 (0xFF291220)
YUV	26.4730, 2.7248, 12.7402
Hunter-Lab	10.0051, 7.1575, -1.7554

Details

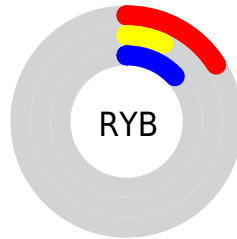
The CIELCh color **9, 15.020, 342.140** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **14, 14.656, 153.942**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **29, 14.853, 342.017**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **8, 17.440, 343.064**, and if you desaturate by 10%, it is **10, 12.438, 341.307**.

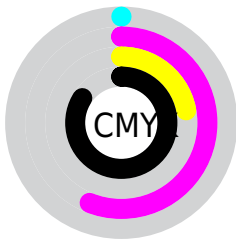
Distribution



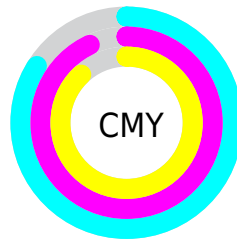
- Red (16%)
- Green (7%)
- Blue (13%)



- Red (16%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (56%)
- Yellow (22%)
- Black (84%)



- Cyan (84%)
- Magenta (93%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 15.020, 342.140 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, 15.020, 342.140 by changing the saturation by 10% instead.

■ 9, 15.020, 342.140

■ 9, 15.020, 342.140

■ 99, 15.020,
342.140

■ 0, 15.020, 342.140

■ 29, 15.020,
342.140

■ 39, 15.020,
342.140

■ 49, 15.020,
342.140

■ 59, 15.020,
342.140

■ 69, 15.020,
342.140

■ 79, 15.020,
342.140

89, 15.020,
342.140

9, 15.020, 342.140

9, 15.020, 342.140

8, 17.440, 343.064

10, 12.438,
341.307

7, 19.388, 344.175

11, 9.766, 340.544

6, 21.042, 345.308

13, 7.055, 339.836

5, 22.639, 346.330

14, 4.343, 339.171

5, 23.222, 346.692

16, 1.658, 338.512

17, 0.982, 158.137

19, 3.566, 157.503

20, 6.088, 156.975

Harmonies

Complementary

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



9, 15.020, 342.140



14, 14.656, 153.942

Rectangle

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



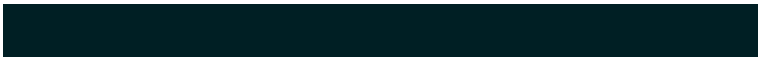
9, 15.020, 342.140



9, 15.020, 32.140



9, 15.020, 162.140



9, 15.020, 212.140

Sweetspot

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



9, 15.019, 342.141



19, 5.718, 339.291



7, 17.740, 307.546



8, 3.874, 339.279



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



9, 15.019, 342.141



12, 21.947, 343.573



9, 12.703, 14.819



6, 1.198, 338.636



16, 39.770, 349.600



46, 76.114, 352.439

Inverse Universe

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



9, 15.019, 342.141



12, 21.947, 343.573



15, 9.958, 186.106



6, 1.198, 338.636



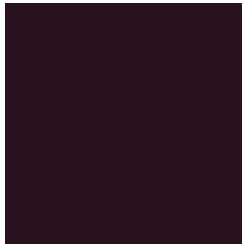
16, 39.770, 349.600



46, 76.114, 352.439

Previews

White Background



This preview shows how the CIELCh color 9, 15.020, 342.140 looks on a white background.

Color Contrast Check

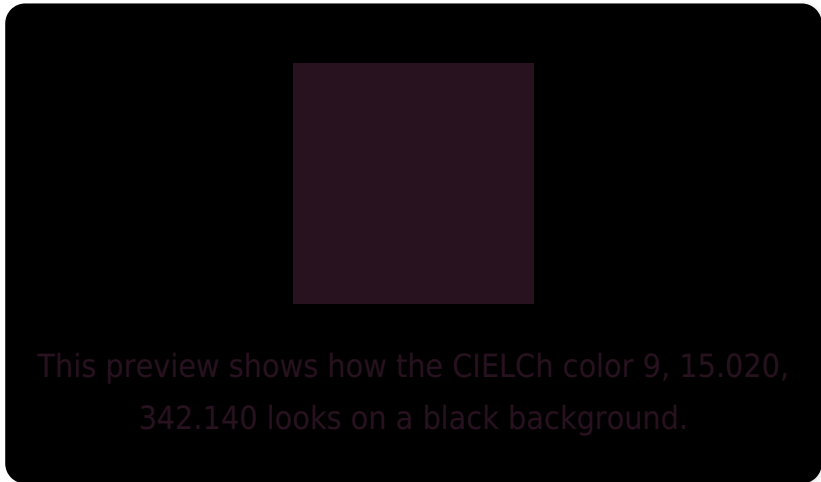
Large Text (above 18pt) WCAG AA ✓ Pass

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

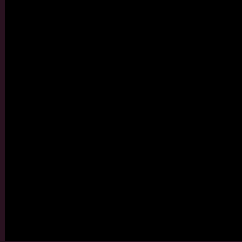
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 15.020, 342.140

Background



This preview shows how black text looks on a background with the CIELCh color 9, 15.020, 342.140.



This preview shows how white text looks on a background with the CIELCh color 9, 15.020, 342.140.

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, 15.020, 342.140

Protanopia

9, 8.961, 284.778

Deuteranopia

10, 3.754, 298.852



Tritanopia
9, 10.995, 15.563

Trichromacy



Original Color

9, 15.020, 342.140

Protanomaly

9, 10.139, 309.121

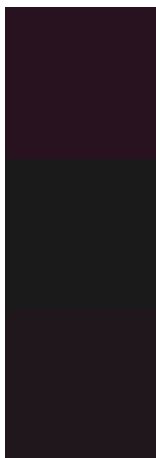
Deuteranomaly

9, 7.449, 328.823

Tritanomaly

9, 11.992, 358.683

Monochromacy



Original Color

9, 15.020, 342.140

Achromatopsia

9, 0.003, 296.813

Achromatomaly

9, 5.529, 338.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 15.020, 342.140 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(41, 18, 32)` looks like.

```
.text, #text, p{  
    color:rgb(41, 18, 32)  
}
```

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(41, 18, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 18, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 15.020, 342.140 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(41, 18, 32) }
```

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

```
.border{ border-color:rgb(41, 18, 32) }
```

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

Here you see how a box with a 4 pixel rgb(41, 18, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 18, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 18, 32);  
box-shadow:4px 4px 4px 4px rgb(41, 18, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 9, 15.020, 342.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 18, 32) }
```

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

```
.background{ background-color: rgb(41, 18,  
32) }
```

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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