

Converting Colors

XYZ(16.8342, 9.7946, 2.9912)

Have a look what the booklet for
XYZ(16.8342, 9.7946, 2.9912)
contains.

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Color

**XYZ(16.9018, 9.8461,
3.0171)**

Conversions

Conversions Part 1

Format	Color
Hex	A62928
RGB	166, 41, 40
RGB Percent	65%, 16%, 16%
CMY	0.3490, 0.8392, 0.8431
CMYK	0.00, 0.75, 0.76, 0.35
HSL	0°, 61%, 40%
HSV	0°, 76%, 65%
XYZ	16.9018, 9.8461, 3.0171
YIQ	78.2610, 74.8210, 26.1890

Conversions

Conversions Part 2

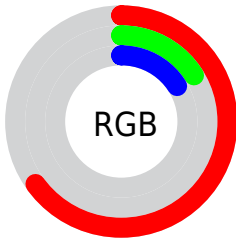
Format	Color
R_{YB}	166, 41, 40
Decimal	10889512
CIE _{Lab}	37.56, 50.29, 31.83
CIE _{LCh}	38, 59.515, 32.334
Yxy	9.8461, 0.5678, 0.3308
Android (android.graphics.Color)	4289079592 (0xFFA62928)
YUV	78.2610, -18.8627, 76.9471
Hunter-Lab	31.3785, 41.2354, 16.2641

Details

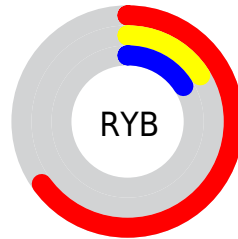
The XYZ color **16.9018, 9.8461, 3.0171** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.2111, 30.1106, 40.7700**, and the grayscale version is **7.3164, 7.6974, 8.3825**.

A 20% lighter version of the original color is **37.5411, 25.3685, 11.7221**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.2224, 8.8463, 1.6843**, and if you desaturate by 10%, it is **17.9411, 11.3720, 5.0682**.

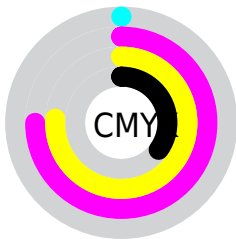
Distribution



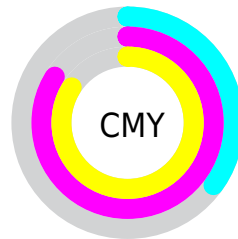
- Red (65%)
- Green (16%)
- Blue (16%)



- Red (65%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (75%)
- Yellow (76%)
- Black (35%)




- Cyan (35%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9018, 9.8461, 3.0171 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 XYZ color 16.9018, 9.8461, 3.0171 by changing the saturation by 10% instead.


 16.9018, 9.8461,
3.0171


 16.9018, 9.8461,
3.0171


227.7731,
189.5701, 136.5781


 10.2594, 5.2970,
1.1034


 37.7018, 25.5056,
11.6706


 5.6348, 2.4226,
0.0000

 52.5901, 37.3849,
19.2475


 2.6629, 0.8375,
0.0000

 70.9577, 52.4763,
29.5491

 0.9781, 0.0000,
0.0000

 93.1700, 71.1643,
42.9941

 0.0000, 0.0000,
0.0000

 119.5923, 93.8333,
60.0009

 150.5901,

120.8677, 80.9882

186.5285,
152.6518, 106.3744

16.9018, 9.8461,
3.0171

16.9018, 9.8461,
3.0171

16.2224, 8.8463,
1.6843

17.9411, 11.3720,
5.0682

15.8506, 8.2971,
0.9614

19.3800, 13.4807,
7.9187

15.7402, 8.1358,
0.7408

21.2536, 16.2235,
11.6395

23.5930, 19.6457,
16.2934

26.4266, 23.7885,
21.9376

■ 29.7804, 28.6896,
28.6245

■ 33.6786, 34.3843,
36.4029

■ 38.1438, 40.9057,
45.3187

■ 43.1976, 48.2848,
55.4148

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.6117, 9.8461, 9.8985



16.9018, 9.8461, 3.0171



13.1369, 9.8461, 0.8429

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.9018, 9.8461, 3.0171



4.3008, 9.8461, 3.6896



9.6563, 9.8461, 47.6262

Complementary

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



16.9018, 9.8461, 3.0171



21.2111, 30.1106, 40.7700

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.3843, 9.8461, 41.5477



16.9018, 9.8461, 3.0171



3.8299, 9.8461, 11.5872

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.9018, 9.8461, 3.0171



5.9968, 9.8461, 1.0131



4.4787, 9.8461, 26.0663



13.7874, 9.8461, 39.4996

Rectangle

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



16.9018, 9.8461, 3.0171



10.3574, 9.8461, 0.4044



4.4787, 9.8461, 26.0663



8.4259, 9.8461, 47.1736

Sweetspot

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



16.9020, 9.8467, 3.0172



49.3798, 45.2461, 42.6403



23.3674, 12.3776, 37.2336



10.6063, 9.4764, 8.6573



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.9020, 9.8467, 3.0172



28.9327, 15.3018, 2.0677



20.9589, 17.9605, 4.3696



7.5358, 7.5516, 7.8497



12.2075, 6.3123, 0.5750



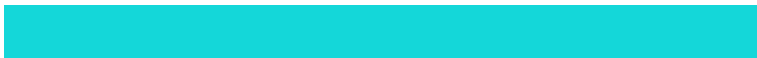
0.2985, 0.1565, 0.0145

Inverse Universe

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



21.2111, 30.1106, 40.7700



37.1139, 53.8272, 73.9089



12.6081, 12.9047, 37.9024



7.7423, 8.5216, 9.6551



15.7267, 22.9136, 31.5694



0.3842, 0.5606, 0.7686

Previews

White Background



This preview shows how the XYZ color 16.9018, 9.8461, 3.0171 looks on a white background.

Color Contrast Check

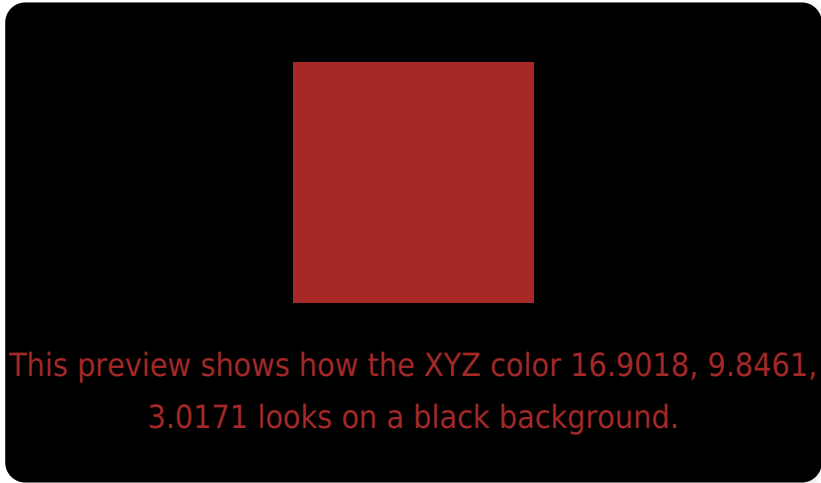
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

XYZ 16.9018, 9.8461, 3.0171

Background



This preview shows how black text looks on a background with the XYZ color 16.9018, 9.8461, 3.0171.



This preview shows how white text looks on a background with the XYZ color 16.9018, 9.8461, 3.0171.

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

16.9018, 9.8461, 3.0171

Protanopia

9.3828, 10.1848, 5.0858

Deuteranopia

10.1779, 10.0407, 2.6979



Tritanopia

16.9367, 9.8600, 3.2010

Trichromacy



Original Color

16.9018, 9.8461, 3.0171

Protanomaly

11.0615, 9.0760, 4.1864

Deuteranomaly

11.9326, 9.2773, 2.6751

Tritanomaly

16.9191, 9.8530, 3.1079

Monochromacy



Original Color

16.9018, 9.8461, 3.0171

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.2461, 7.4658, 5.8042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9018, 9.8461, 3.0171 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(166, 41, 40)` looks like.

```
.text, #text, p{  
    color:rgb(166, 41, 40)  
}
```

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(166, 41, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 41, 40) }
```

Border

The CSS property to change the border of an element to XYZ 16.9018, 9.8461, 3.0171 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(166, 41, 40) }
```


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

```
.border{ border-color:rgb(166, 41, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 41, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 41, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 41, 40);  
box-shadow:4px 4px 4px 4px rgb(166, 41,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9018, 9.8461, 3.0171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 41, 40) }
```

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

```
.background{ background-color: rgb(166, 41,  
40) }
```

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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