

Converting Colors

XYZ(16.3367, 9.8978, 4.1932)

Have a look what the booklet for
XYZ(16.3367, 9.8978, 4.1932)
contains.

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Color

**XYZ(16.3524, 9.9300,
4.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	A13033
RGB	161, 48, 51
RGB Percent	63%, 19%, 20%
CMY	0.3686, 0.8117, 0.8000
CMYK	0.00, 0.70, 0.68, 0.37
HSL	358°, 54%, 41%
HSV	358°, 70%, 63%
XYZ	16.3524, 9.9300, 4.1868
YIQ	82.1290, 66.3850, 24.8890

Conversions

Conversions Part 2

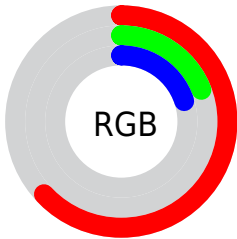
Format	Color
R_{YB}	161, 48, 51
Decimal	10563635
CIE _{Lab}	37.72, 46.55, 25.11
CIE _{LCh}	38, 52.893, 28.341
Yxy	9.9300, 0.5367, 0.3259
Android (android.graphics.Color)	4288753715 (0xFFA13033)
YUV	82.1290, -15.3466, 69.1699
Hunter-Lab	31.5119, 37.4828, 14.1808

Details

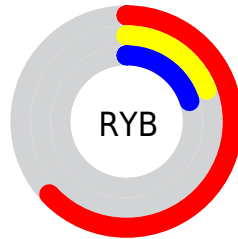
The XYZ color **16.3524, 9.9300, 4.1868** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.1362, 28.5869, 36.8073**, and the grayscale version is **8.0671, 8.4872, 9.2425**.

A 20% lighter version of the original color is **36.6301, 25.5426, 14.3089**, and **5.6319, 2.8989, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **15.5201, 8.7284, 2.4824**, and if you desaturate by 10%, it is **17.5407, 11.6573, 6.5847**.

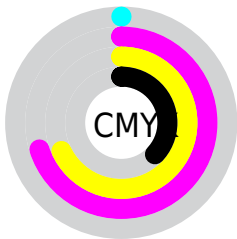
Distribution



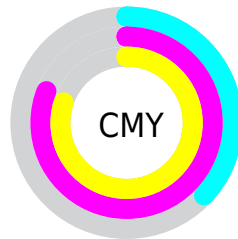
- Red (63%)
- Green (19%)
- Blue (20%)



- Red (63%)
- Yellow (19%)
- Blue (20%)



- Cyan (0%)
- Magenta (70%)
- Yellow (68%)
- Black (37%)



- Cyan (37%)
- Magenta (81%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3524, 9.9300, 4.1868 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 16.3524, 9.9300, 4.1868 by changing the saturation by 10% instead.


 16.3524, 9.9300,
4.1868


 16.3524, 9.9300,
4.1868


224.6420,
190.1717, 150.2796


 9.8663, 5.3526,
1.7284


 36.7614, 25.6638,
14.4383


 5.3720, 2.4556,
0.3801

 51.4151, 37.5889,
23.0685


 2.5041, 0.8543,
0.0000

 69.5219, 52.7320,
34.5930

 0.8973, 0.0000,
0.0000

 91.4474, 71.4775,
49.4304

 0.0000, 0.0000,
0.0000

 117.5568, 94.2099,
67.9992

 148.2154,

121.3134, 90.7180

183.7887,
153.1726, 118.0053

■ 16.3524, 9.9300,
4.1868

■ 16.3524, 9.9300,
4.1868

■ 15.5201, 8.7284,
2.4824

■ 17.5407, 11.6573,
6.5847

■ 15.0035, 7.9912,
1.3975

■ 19.1180, 13.9593,
9.7390

■ 14.7212, 7.5863,
0.8109

■ 21.1144, 16.8813,
13.7061

■ 23.5570, 20.4635,
18.5369

■ 26.4703, 24.7429,
24.2782

■ 29.8774, 29.7537,
30.9733

■ 33.7995, 35.5278,
38.6628

■ 38.2569, 42.0953,
47.3851

■ 43.2686, 49.4845,
57.1763

Harmonies

Analogous

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



17.4924, 9.9300, 11.3572



16.3524, 9.9300, 4.1868



13.2564, 9.9300, 1.4672

Triad

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



16.3524, 9.9300, 4.1868



4.9337, 9.9300, 3.7125



9.2522, 9.9300, 41.9109

Complementary

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



16.3524, 9.9300, 4.1868



20.1362, 28.5869, 36.8073

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.



6.4341, 9.9300, 35.4871



16.3524, 9.9300, 4.1868



4.3367, 9.9300, 10.2847

Square

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



16.3524, 9.9300, 4.1868



6.6885, 9.9300, 1.3301



4.8132, 9.9300, 22.2058



12.8538, 9.9300, 36.6845

Rectangle

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



16.3524, 9.9300, 4.1868



10.8065, 9.9300, 0.9247



4.8132, 9.9300, 22.2058



8.1905, 9.9300, 40.9937

Sweetspot

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



16.3526, 9.9306, 4.1870



46.7273, 43.3145, 42.1437



21.4404, 11.8793, 34.8808



9.9419, 9.0497, 8.6399



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.3526, 9.9306, 4.1870



27.2310, 14.8237, 3.2689



19.8597, 17.0469, 5.0408



7.0810, 7.0889, 7.4131



11.7599, 6.0600, 0.6604



0.2492, 0.1282, 0.0252

Inverse Universe

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



16.3526, 9.9306, 4.1870



27.2310, 14.8237, 3.2689



13.0433, 13.9839, 35.7296



7.0810, 7.0889, 7.4131



11.7599, 6.0600, 0.6604



0.2492, 0.1282, 0.0252

Previews

White Background



This preview shows how the XYZ color 16.3524, 9.9300, 4.1868 looks on a white background.

Color Contrast Check

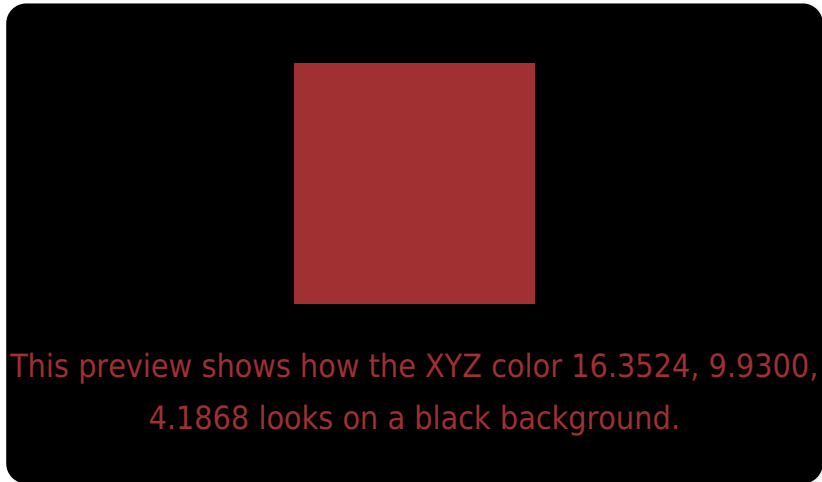
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3524, 9.9300, 4.1868

Background



This preview shows how black text looks on a background with the XYZ color 16.3524, 9.9300, 4.1868.



This preview shows how white text looks on a background with the XYZ color 16.3524, 9.9300,

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

16.3524, 9.9300, 4.1868

Protanopia

9.4932, 10.2044, 6.7795

Deuteranopia

10.3570, 10.2245, 3.9103



Tritanopia

16.3306, 9.9213, 4.0719

Trichromacy



Original Color

16.3524, 9.9300, 4.1868

Protanomaly

11.1041, 9.3621, 5.6367

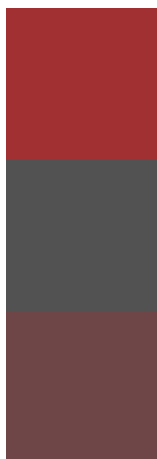
Deuteranomaly

11.8837, 9.5071, 3.8980

Tritanomaly

16.3306, 9.9213, 4.0719

Monochromacy



Original Color

16.3524, 9.9300, 4.1868

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.8830, 8.2148, 7.0259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3524, 9.9300, 4.1868 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(161, 48, 51)` looks like.

```
.text, #text, p{  
    color:rgb(161, 48, 51)  
}
```

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(161, 48, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 48, 51) }
```

Border

The CSS property to change the border of an element to XYZ 16.3524, 9.9300, 4.1868 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(161, 48, 51) }
```


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

```
.border{ border-color:rgb(161, 48, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 48, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 48, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 48, 51);  
box-shadow:4px 4px 4px 4px rgb(161, 48,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3524, 9.9300, 4.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 48, 51) }
```

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

```
.background{ background-color: rgb(161, 48,  
51) }
```

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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