

Converting Colors

XYZ(16.2481, 9.5934, 4.8888)

Have a look what the booklet for
XYZ(16.2481, 9.5934, 4.8888)
contains.

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Color

**XYZ(16.3003, 9.6002,
4.8648)**

Conversions

Conversions Part 1

Format	Color
Hex	A12B39
RGB	161, 43, 57
RGB Percent	63%, 17%, 22%
CMY	0.3686, 0.8313, 0.7765
CMYK	0.00, 0.73, 0.65, 0.37
HSL	353°, 58%, 40%
HSV	353°, 73%, 63%
XYZ	16.3003, 9.6002, 4.8648
YIQ	79.8780, 65.8340, 29.3700

Conversions

Conversions Part 2

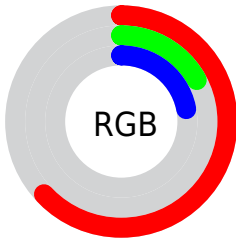
Format	Color
R_{YB}	161, 43, 57
Decimal	10562361
CIE Lab	37.12, 48.85, 20.61
CIE LCh	37, 53.019, 22.875
Yxy	9.6002, 0.5298, 0.3120
Android (android.graphics.Color)	4288752441 (0xFFA12B39)
YUV	79.8780, -11.2789, 71.1440
Hunter-Lab	30.9842, 39.6837, 12.3799

Details

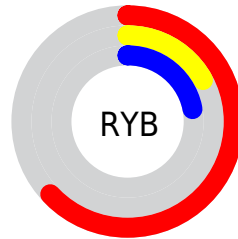
The XYZ color **16.3003, 9.6002, 4.8648** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.0084, 28.1101, 32.0306**, and the grayscale version is **7.6141, 8.0107, 8.7236**.

A 20% lighter version of the original color is **36.6852, 25.1070, 16.0093**, and **5.6797, 2.9181, 0.7158** is the 20% darker color. If you saturate the color by 10%, you get **15.5202, 8.5297, 3.0956**, and if you desaturate by 10%, it is **17.4108, 11.1734, 7.2325**.

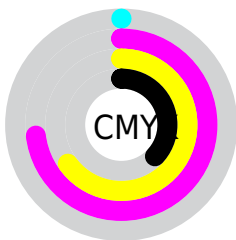
Distribution



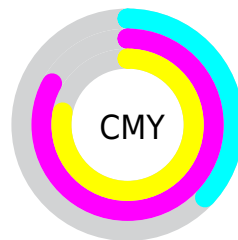
- Red (63%)
- Green (17%)
- Blue (22%)



- Red (63%)
- Yellow (17%)
- Blue (22%)



- Cyan (0%)
- Magenta (73%)
- Yellow (65%)
- Black (37%)




- Cyan (37%)
- Magenta (83%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3003, 9.6002, 4.8648 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 16.3003, 9.6002, 4.8648 by changing the saturation by 10% instead.


 16.3003, 9.6002,
4.8648


 16.3003, 9.6002,
4.8648


224.3430,
187.7943, 157.4008


 9.8291, 5.1347,
2.1108


 36.6720, 25.0408,
15.9597


 5.3472, 2.3265,
0.6222

 51.3032, 36.7846,
25.1376


 2.4892, 0.7877,
0.0000

 69.3852, 51.7233,
37.2940

 0.8898, 0.0000,
0.0000

 91.2832, 70.2414,
52.8473

 0.0000, 0.0000,
0.0000

 117.3626, 92.7231,
72.2161

 147.9888,

119.5529, 95.8189

183.5271,
151.1152, 124.0743

■ 16.3003, 9.6002,
4.8648

■ 16.3003, 9.6002,
4.8648

■ 15.5202, 8.5297,
3.0956

■ 17.4108, 11.1734,
7.2325

■ 15.0324, 7.8988,
1.8702

■ 18.8829, 13.2994,
10.2459

■ 14.8162, 7.6243,
1.3110

■ 20.7449, 16.0238,
13.9479

■ 23.0219, 19.3872,
18.3777

■ 25.7372, 23.4265,
23.5714

■ 28.9120, 28.1761,
29.5628

■ 32.5665, 33.6676,
36.3836

■ 36.7193, 39.9311,
44.0637

■ 41.3884, 46.9948,
52.6317

Harmonies

Analogous

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



16.9712, 9.6002, 12.8705



16.3003, 9.6002, 4.8648



13.5105, 9.6002, 1.6313

Triad

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



16.3003, 9.6002, 4.8648



4.9461, 9.6002, 2.8782



8.3608, 9.6002, 40.7990

Complementary

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



16.3003, 9.6002, 4.8648



19.0084, 28.1101, 32.0306

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.



5.8084, 9.6002, 32.6386



16.3003, 9.6002, 4.8648



4.1691, 9.6002, 8.3589

Square

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



16.3003, 9.6002, 4.8648



6.8757, 9.6002, 1.0618



4.4416, 9.6002, 19.2176



11.8174, 9.6002, 37.6897

Rectangle

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



16.3003, 9.6002, 4.8648



11.1216, 9.6002, 0.9315



4.4416, 9.6002, 19.2176



7.3824, 9.6002, 39.1733

Sweetspot

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



16.3005, 9.6008, 4.8649



46.5570, 42.6469, 43.0945



19.0213, 10.3456, 34.7123



9.9225, 8.9233, 8.9037



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.



16.3005, 9.6008, 4.8649



27.1837, 14.4736, 4.0411



18.4835, 14.4505, 4.1013



7.1064, 7.0990, 7.5465



11.8419, 6.0928, 1.0920



0.2583, 0.1318, 0.0726

Inverse Universe

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



16.3005, 9.6008, 4.8649



27.1837, 14.4736, 4.0411



13.8769, 15.9817, 36.0713



7.1064, 7.0990, 7.5465



11.8419, 6.0928, 1.0920



0.2583, 0.1318, 0.0726

Previews

White Background



This preview shows how the XYZ color 16.3003, 9.6002, 4.8648 looks on a white background.

Color Contrast Check

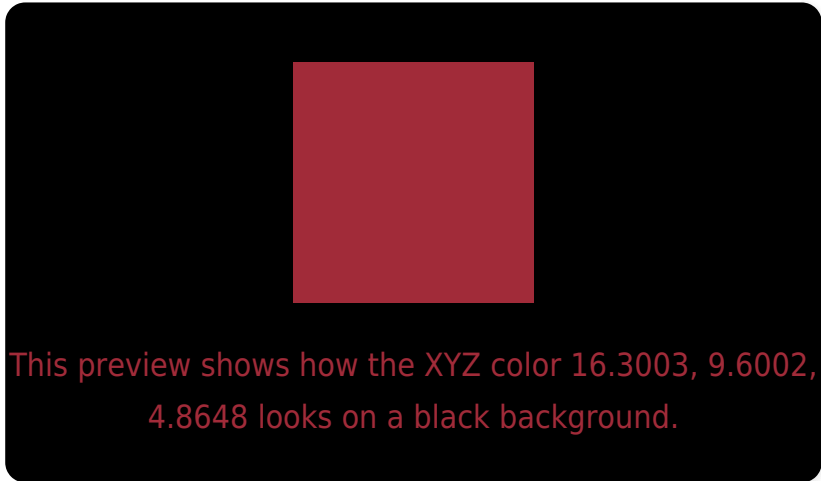
Large Text (above 18pt) WCAG AA ✓ Pass

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

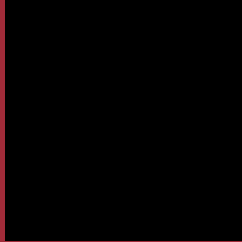
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3003, 9.6002, 4.8648

Background



This preview shows how black text looks on a background with the XYZ color 16.3003, 9.6002, 4.8648.



This preview shows how white text looks on a background with the XYZ color 16.3003, 9.6002,

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

16.3003, 9.6002, 4.8648

Protanopia

9.3084, 9.8284, 8.2439

Deuteranopia

9.9522, 9.7678, 4.4928



Tritanopia

16.1494, 9.6591, 3.7025

Trichromacy



Original Color

16.3003, 9.6002, 4.8648

Protanomaly

10.8628, 8.9160, 6.7786

Deuteranomaly

11.5231, 9.0253, 4.5029

Tritanomaly

16.1962, 9.6174, 4.1347

Monochromacy



Original Color

16.3003, 9.6002, 4.8648

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.4835, 7.7334, 7.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3003, 9.6002, 4.8648 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, 43, 57)` looks like.

```
.text, #text, p{  
  color:rgb(161, 43, 57)  
}
```

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, 43, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 43, 57) }
```

Border

The CSS property to change the border of an element to XYZ 16.3003, 9.6002, 4.8648 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, 43, 57) }
```


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

```
.border{ border-color:rgb(161, 43, 57) }
```

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

Here you see how a box with a 4 pixel rgb(161, 43, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 43, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 43, 57);  
box-shadow:4px 4px 4px 4px rgb(161, 43,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3003, 9.6002, 4.8648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 43, 57) }
```

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

```
.background{ background-color: rgb(161, 43,  
57) }
```

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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