

Converting Colors

XYZ(16.2097, 9.7380, 3.9684)

Have a look what the booklet for
XYZ(16.2097, 9.7380, 3.9684)
contains.

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Color

**XYZ(16.2293, 9.7528,
3.9328)**

Conversions

Conversions Part 1

Format	Color
Hex	A12E31
RGB	161, 46, 49
RGB Percent	63%, 18%, 19%
CMY	0.3686, 0.8196, 0.8078
CMYK	0.00, 0.71, 0.70, 0.37
HSL	358°, 56%, 41%
HSV	358°, 71%, 63%
XYZ	16.2293, 9.7528, 3.9328
YIQ	80.7270, 67.5770, 25.3130

Conversions

Conversions Part 2

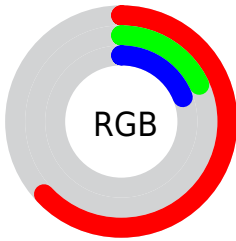
Format	Color
R_{YB}	161, 46, 49
Decimal	10563121
CIE Lab	37.40, 47.24, 25.95
CIE LCh	37, 53.897, 28.781
Yxy	9.7528, 0.5425, 0.3260
Android (android.graphics.Color)	4288753201 (0xFFA12E31)
YUV	80.7270, -15.6414, 70.3994
Hunter-Lab	31.2295, 38.1111, 14.3941

Details

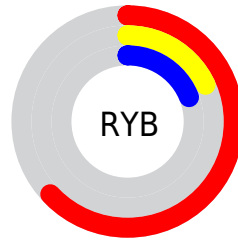
The XYZ color **16.2293, 9.7528, 3.9328** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.0440, 28.5395, 36.8032**, and the grayscale version is **7.7883, 8.1939, 8.9232**.

A 20% lighter version of the original color is **36.4415, 25.3127, 13.7916**, and **5.5014, 2.8335, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **15.4388, 8.6125, 2.3111**, and if you desaturate by 10%, it is **17.3713, 11.4120, 6.2399**.

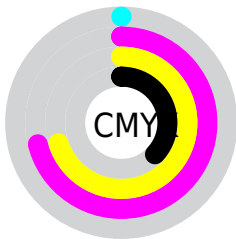
Distribution



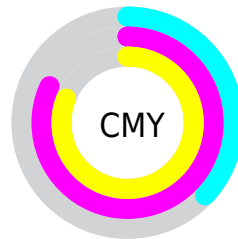
- Red (63%)
- Green (18%)
- Blue (19%)



- Red (63%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (71%)
- Yellow (70%)
- Black (37%)




- Cyan (37%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2293, 9.7528, 3.9328 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 16.2293, 9.7528, 3.9328 by changing the saturation by 10% instead.


 16.2293, 9.7528,
3.9328


 16.2293, 9.7528,
3.9328


223.9349,
188.8985, 147.4755


 9.7784, 5.2354,
1.5886


 36.5501, 25.3295,
13.8545


 5.3134, 2.3860,
0.2826

 51.1507, 37.1575,
22.2690

 2.4690, 0.8187,
0.0000

 69.1986, 52.1913,
33.5440

 0.8796, 0.0000,
0.0000

 91.0591, 70.8150,
48.0981

 0.0000, 0.0000,
0.0000

 117.0977, 93.4132,
66.3497

 147.6796,

120.3703, 88.7174

183.1702,
152.0706, 115.6199

■ 16.2293, 9.7528,
3.9328

■ 16.2293, 9.7528,
3.9328

■ 15.4388, 8.6125,
2.3111

■ 17.3713, 11.4120,
6.2399

■ 14.9586, 7.9284,
1.2988

■ 18.8984, 13.6399,
9.2965

■ 14.7208, 7.5862,
0.8087

■ 20.8413, 16.4826,
13.1598

■ 23.2271, 19.9808,
17.8813

■ 26.0810, 24.1718,
23.5084

■ 29.4259, 29.0901,
30.0849

■ 33.2835, 34.7679,
37.6517

■ 37.6741, 41.2356,
46.2474

■ 42.6168, 48.5216,
55.9087

Harmonies

Analogous

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



17.4239, 9.7528, 11.0210



16.2293, 9.7528, 3.9328



13.0715, 9.7528, 1.3221

Triad

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



16.2293, 9.7528, 3.9328



4.7414, 9.7528, 3.5888



9.1319, 9.7528, 42.3093

Complementary

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



16.2293, 9.7528, 3.9328



20.0440, 28.5395, 36.8032

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.



6.2874, 9.7528, 35.8875



16.2293, 9.7528, 3.9328



4.1643, 9.7528, 10.2272

Square

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



16.2293, 9.7528, 3.9328



6.4746, 9.7528, 1.2256



4.6533, 9.7528, 22.3676



12.7720, 9.7528, 36.7888

Rectangle

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



16.2293, 9.7528, 3.9328



10.5954, 9.7528, 0.8115



4.6533, 9.7528, 22.3676



8.0595, 9.7528, 41.4303

Sweetspot

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



16.2295, 9.7534, 3.9330



46.7255, 43.3138, 42.1338



21.3474, 11.7126, 34.8536



9.9414, 9.0495, 8.6376



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.



16.2295, 9.7534, 3.9330



27.0570, 14.5773, 2.8975



19.7168, 16.8256, 4.7941



7.0809, 7.0888, 7.4124



11.7596, 6.0599, 0.6585



0.2492, 0.1282, 0.0249

Inverse Universe

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



16.2295, 9.7534, 3.9330



27.0570, 14.5773, 2.8975



12.8529, 13.7400, 35.6926



7.0809, 7.0888, 7.4124



11.7596, 6.0599, 0.6585



0.2492, 0.1282, 0.0249

Previews

White Background



This preview shows how the XYZ color 16.2293, 9.7528, 3.9328 looks on a white background.

Color Contrast Check

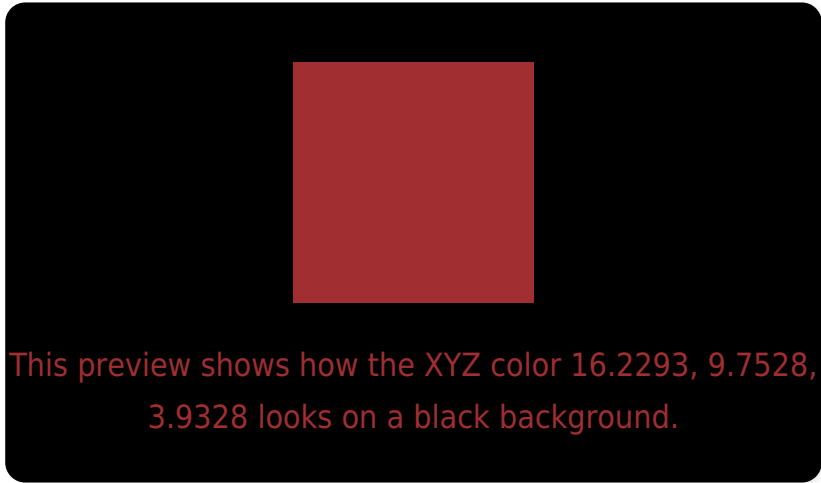
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2293, 9.7528, 3.9328

Background



This preview shows how black text looks on a background with the XYZ color 16.2293, 9.7528, 3.9328.

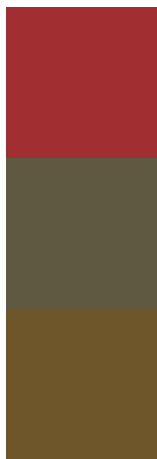


This preview shows how white text looks on a background with the XYZ color 16.2293, 9.7528,

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

16.2293, 9.7528, 3.9328

Protanopia

9.3504, 10.0132, 6.4410

Deuteranopia

10.0968, 9.9792, 3.5845



Tritanopia

16.2084, 9.7445, 3.8229

Trichromacy



Original Color

16.2293, 9.7528, 3.9328

Protanomaly

10.9177, 9.0739, 5.3137

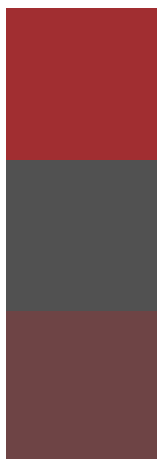
Deuteranomaly

11.7802, 9.3631, 3.6690

Tritanomaly

16.2084, 9.7445, 3.8229

Monochromacy



Original Color

16.2293, 9.7528, 3.9328

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.5717, 7.8789, 6.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2293, 9.7528, 3.9328 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, 46, 49)` looks like.

```
.text, #text, p{  
    color:rgb(161, 46, 49)  
}
```

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, 46, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 46, 49) }
```

Border

The CSS property to change the border of an element to XYZ 16.2293, 9.7528, 3.9328 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, 46, 49) }
```


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

```
.border{ border-color:rgb(161, 46, 49) }
```

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

Here you see how a box with a 4 pixel rgb(161, 46, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 46, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 46, 49);  
box-shadow:4px 4px 4px 4px rgb(161, 46,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2293, 9.7528, 3.9328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 46, 49) }
```

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

```
.background{ background-color: rgb(161, 46,  
49) }
```

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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