

Converting Colors

XYZ(16.0067, 9.8446, 10.2316)

Have a look what the booklet for
XYZ(16.0067, 9.8446, 10.2316)
contains.

XYZ(16.1263, 9.9329, 10.2998)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.1263, 9.9329,
10.2998)**

Conversions

Conversions Part 1

Format	Color
Hex	993458
RGB	153, 52, 88
RGB Percent	60%, 20%, 35%
CMY	0.4000, 0.7961, 0.6549
CMYK	0.00, 0.66, 0.42, 0.40
HSL	339°, 49%, 40%
HSV	339°, 66%, 60%
XYZ	16.1263, 9.9329, 10.2998
YIQ	86.3030, 48.6400, 32.6080

Conversions

Conversions Part 2

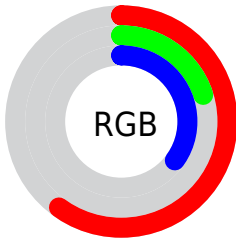
Format	Color
R_{YB}	153, 52, 88
Decimal	10040408
CIE Lab	37.72, 45.24, 1.50
CIE LCh	38, 45.267, 1.893
Yxy	9.9329, 0.4435, 0.2732
Android (android.graphics.Color)	4288230488 (0xFF993458)
YUV	86.3030, 0.8366, 58.4933
Hunter-Lab	31.5165, 36.1806, 2.6852

Details

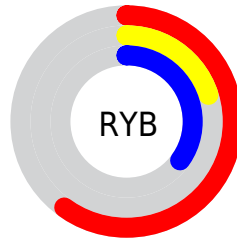
The XYZ color **16.1263, 9.9329, 10.2998** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.0189, 24.7971, 20.7735**, and the grayscale version is **8.9014, 9.3649, 10.1984**.

A 20% lighter version of the original color is **36.5030, 25.7870, 27.0982**, and **5.3658, 2.7158, 2.5269** is the 20% darker color. If you saturate the color by 10%, you get **15.1699, 8.6295, 8.1027**, and if you desaturate by 10%, it is **17.3597, 11.7021, 12.8613**.

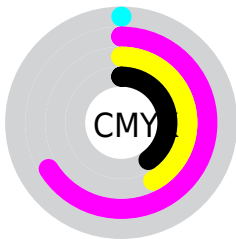
Distribution



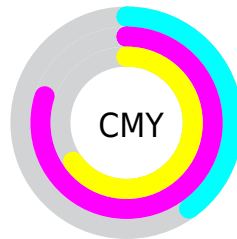
- Red (60%)
- Green (20%)
- Blue (35%)



- Red (60%)
- Yellow (20%)
- Blue (35%)



- Cyan (0%)
- Magenta (66%)
- Yellow (42%)
- Black (40%)




- Cyan (40%)
- Magenta (80%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1263, 9.9329, 10.2998 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 16.1263, 9.9329, 10.2998 by changing the saturation by 10% instead.


 16.1263, 9.9329,
10.2998


 16.1263, 9.9329,
10.2998


223.3416,
190.1925, 203.3605


 9.7050, 5.3545,
5.4900


 36.3730, 25.6692,
26.9745


 5.2646, 2.4567,
2.4738

 50.9291, 37.5959,
39.6764


 2.4397, 0.8548,
0.8262

 68.9275, 52.7408,
55.8461

 0.8649, 0.0000,
0.0000

 90.7336, 71.4884,
75.9022

 0.0000, 0.0000,
0.0000

 116.7127, 94.2229,
100.2631

 147.2301,

121.3288, 129.3475

182.6513,
153.1906, 163.5738

■ 16.1263, 9.9329,
10.2998

■ 16.1263, 9.9329,
10.2998

■ 15.1699, 8.6295,
8.1027

■ 17.3597, 11.7021,
12.8613

■ 14.4653, 7.7448,
6.2504

■ 18.8906, 13.9750,
15.8041

■ 13.9786, 7.2150,
4.7204

■ 20.7386, 16.7873,
19.1443

■ 13.8152, 7.0436,
4.1869

■ 22.9212, 20.1711,
22.8971

■ 25.4545, 24.1560,
27.0767

■ 28.3538, 28.7694,
31.6965

■ 31.6331, 34.0371,
36.7695

■ 35.3060, 39.9834,
42.3080

■ 39.3851, 46.6315,
48.3238

Harmonies

Analogous

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



15.2153, 9.9329, 20.1378



16.1263, 9.9329, 10.2998



14.9653, 9.9329, 4.4145

Triad

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



16.1263, 9.9329, 10.2998



6.8074, 9.9329, 2.1659



7.0653, 9.9329, 31.6982

Complementary

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



16.1263, 9.9329, 10.2998



16.0189, 24.7971, 20.7735

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.



5.4771, 9.9329, 21.5425



16.1263, 9.9329, 10.2998



5.3508, 9.9329, 4.9328

Square

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



16.1263, 9.9329, 10.2998



9.2592, 9.9329, 1.4477



4.9179, 9.9329, 11.3476



9.6250, 9.9329, 35.6651

Rectangle

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



16.1263, 9.9329, 10.2998



13.2866, 9.9329, 2.5212



4.9179, 9.9329, 11.3476



6.4197, 9.9329, 28.7057

Sweetspot

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



16.1266, 9.9334, 10.3000



43.5171, 39.9947, 45.1124



14.1764, 8.4673, 31.0241



9.3543, 8.4310, 9.5400



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.1266, 9.9334, 10.3000



26.5402, 14.6455, 12.9265



15.6743, 10.8553, 4.5187



6.2952, 6.2572, 6.9347



11.4328, 5.8274, 3.5381



0.1872, 0.0936, 0.1387

Inverse Universe

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



16.1266, 9.9334, 10.3000



26.5402, 14.6455, 12.9265



16.4764, 21.6504, 33.4474



6.2952, 6.2572, 6.9347



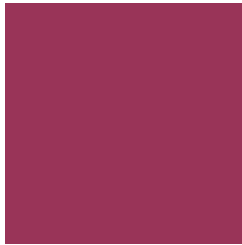
11.4328, 5.8274, 3.5381



0.1872, 0.0936, 0.1387

Previews

White Background



This preview shows how the XYZ color 16.1263, 9.9329, 10.2998 looks on a white background.

Color Contrast Check

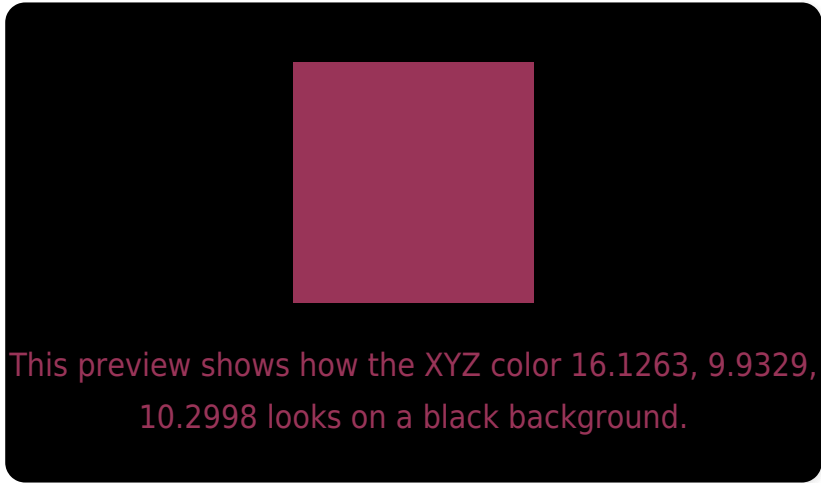
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1263, 9.9329, 10.2998

Background



This preview shows how black text looks on a background with the XYZ color 16.1263, 9.9329, 10.2998.

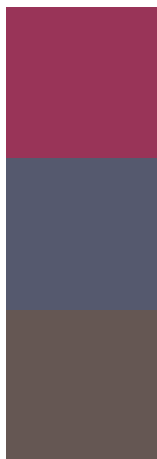


This preview shows how white text looks on a background with the XYZ color 16.1263, 9.9329,

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

16.1263, 9.9329, 10.2998

Protanopia

10.1332, 10.2018, 16.1869

Deuteranopia

10.3364, 10.2076, 9.6091



Tritanopia

15.1179, 9.9423, 5.5371

Trichromacy



Original Color

16.1263, 9.9329, 10.2998

Protanomaly

11.4131, 9.4432, 13.7916

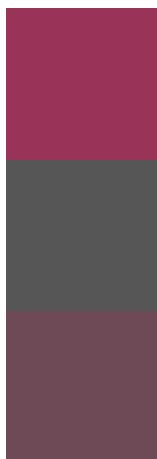
Deuteranomaly

11.8342, 9.5465, 9.8133

Tritanomaly

15.5004, 9.9587, 7.0665

Monochromacy



Original Color

16.1263, 9.9329, 10.2998

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.5995, 8.9007, 10.1762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1263, 9.9329, 10.2998 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(153, 52, 88)` looks like.

```
.text, #text, p{  
    color:rgb(153, 52, 88)  
}
```

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(153, 52, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 52, 88) }
```

Border

The CSS property to change the border of an element to XYZ 16.1263, 9.9329, 10.2998 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(153, 52, 88) }
```


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

```
.border{ border-color:rgb(153, 52, 88) }
```

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

Here you see how a box with a 4 pixel rgb(153, 52, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 52, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 52, 88);  
box-shadow:4px 4px 4px 4px rgb(153, 52,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1263, 9.9329, 10.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 52, 88) }
```

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

```
.background{ background-color: rgb(153, 52,  
88) }
```

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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