

Converting Colors

XYZ(16.2362, 11.2398, 13.6350)

Have a look what the booklet for
XYZ(16.2362, 11.2398, 13.6350)
contains.

XYZ(16.3311, 11.3068, 13.6336)	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(16.3311, 11.3068,
13.6336)**

Conversions

Conversions Part 1

Format	Color
Hex	924565
RGB	146, 69, 101
RGB Percent	57%, 27%, 40%
CMY	0.4275, 0.7294, 0.6039
CMYK	0.00, 0.53, 0.31, 0.43
HSL	335°, 36%, 42%
HSV	335°, 53%, 57%
XYZ	16.3311, 11.3068, 13.6336
YIQ	95.6710, 35.6200, 26.2760

Conversions

Conversions Part 2

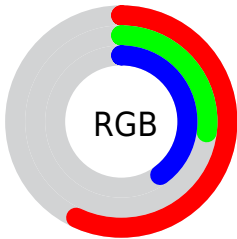
Format	Color
R_{YB}	146, 69, 101
Decimal	9586021
CIE Lab	40.09, 36.19, -3.35
CIE LCh	40, 36.345, 354.718
Yxy	11.3068, 0.3957, 0.2740
Android (android.graphics.Color)	4287776101 (0xFF924565)
YUV	95.6710, 2.6272, 44.1385
Hunter-Lab	33.6256, 27.8482, -0.5014

Details

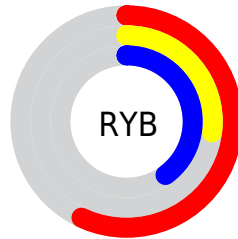
The XYZ color **16.3311, 11.3068, 13.6336** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **15.7709, 23.0381, 19.5363**, and the grayscale version is **11.0268, 11.6010, 12.6335**.

A 20% lighter version of the original color is **36.7411, 28.2565, 33.2233**, and **5.3964, 3.0261, 3.7897** is the 20% darker color. If you saturate the color by 10%, you get **15.1444, 9.5680, 11.2813**, and if you desaturate by 10%, it is **17.7829, 13.5060, 16.2886**.

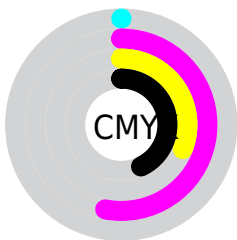
Distribution



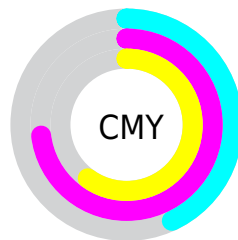
- Red (57%)
- Green (27%)
- Blue (40%)



- Red (57%)
- Yellow (27%)
- Blue (40%)



- Cyan (0%)
- Magenta (53%)
- Yellow (31%)
- Black (43%)





- Cyan (43%)
- Magenta (73%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3311, 11.3068, 13.6336 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 16.3311, 11.3068, 13.6336 by changing the saturation by 10% instead.


 16.3311, 11.3068,
13.6336


 16.3311, 11.3068,
13.6336


224.5198,
199.7605, 226.2880


 9.8511, 6.2736,
7.7304


 36.7249, 28.2261,
33.1452


 5.3618, 3.0121,
3.8377

 51.3694, 40.8810,
47.5907


 2.4980, 1.1381,
1.5367

 69.4660, 56.8452,
65.7208

 0.8943, 0.0102,
0.2451

 91.3803, 76.5032,
87.9539

 0.0000, 0.0000,
0.0000

 117.4774,
100.2393, 114.7086

148.1228,

128.4380, 146.4035

183.6818,
161.4836, 183.4571

■ 16.3311, 11.3068,
13.6336

■ 16.3311, 11.3068,
13.6336

■ 15.1444, 9.5680,
11.2813

■ 17.7829, 13.5060,
16.2886

■ 14.2039, 8.2545,
9.2188

■ 19.5148, 16.1942,
19.2574

■ 13.4899, 7.3285,
7.4325

■ 21.5420, 19.3995,
22.5510

■ 12.9784, 6.7450,
5.9075

■ 23.8782, 23.1474,
26.1798

■ 12.6875, 6.4444,
4.9438

■ 26.5361, 27.4617,
30.1534

■ 29.5279, 32.3647,
34.4814

■ 32.8649, 37.8778,
39.1727

■ 36.5579, 44.0209,
44.2359

■ 40.6175, 50.8133,
49.6794

Harmonies

Analogous

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



15.2084, 11.3068, 22.1944



16.3311, 11.3068, 13.6336



15.7777, 11.3068, 7.3715

Triad

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



16.3311, 11.3068, 13.6336



8.8449, 11.3068, 3.5173



8.1835, 11.3068, 27.4732

Complementary

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



16.3311, 11.3068, 13.6336



15.7709, 23.0381, 19.5363

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.



6.9181, 11.3068, 19.0750



16.3311, 11.3068, 13.6336



7.2561, 11.3068, 5.9085

Square

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



16.3311, 11.3068, 13.6336



11.1991, 11.3068, 3.0170



6.6072, 11.3068, 11.0772



10.3068, 11.3068, 31.9494

Rectangle

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



16.3311, 11.3068, 13.6336



14.5715, 11.3068, 4.8998



6.6072, 11.3068, 11.0772



7.6577, 11.3068, 24.8875

Sweetspot

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



16.3314, 11.3074, 13.6338



40.5815, 38.3502, 43.8188



14.2455, 9.9041, 28.3549



8.8610, 8.2638, 9.4895



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.3314, 11.3074, 13.6338



26.4338, 16.4754, 19.3092



15.4731, 11.6301, 7.0603



5.8948, 5.8530, 6.5520



11.1757, 5.6753, 4.4065



0.1509, 0.0751, 0.1283

Inverse Universe

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



16.3314, 11.3074, 13.6338



26.4338, 16.4754, 19.3092



16.9602, 21.9754, 30.5419



5.8948, 5.8530, 6.5520



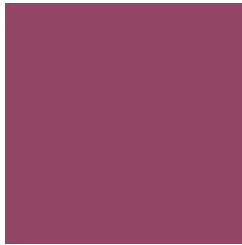
11.1757, 5.6753, 4.4065



0.1509, 0.0751, 0.1283

Previews

White Background



This preview shows how the XYZ color 16.3311, 11.3068, 13.6336 looks on a white background.

Color Contrast Check

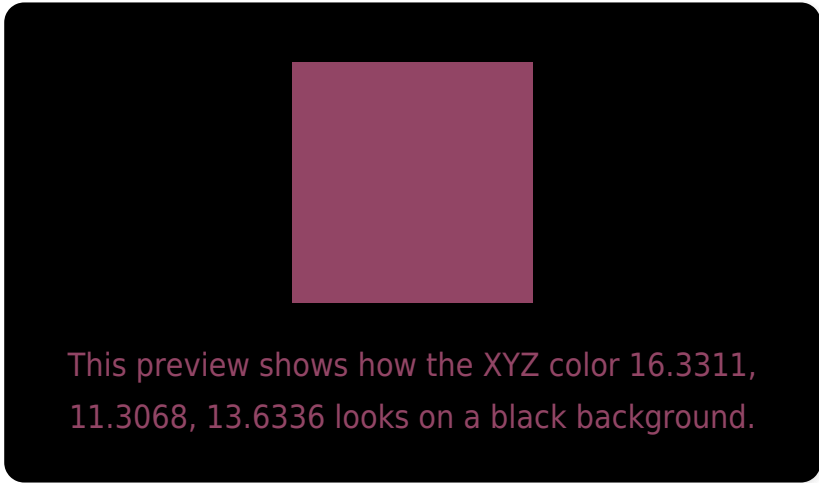
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

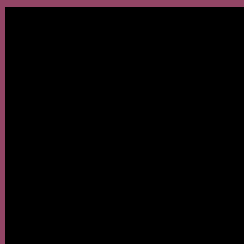
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3311, 11.3068, 13.6336

Background



This preview shows how black text looks on a background with the XYZ color 16.3311, 11.3068, 13.6336.



This preview shows how white text looks on a background with the XYZ color 16.3311, 11.3068,

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

16.3311, 11.3068, 13.6336

Protanopia

11.4300, 11.4634, 18.4399

Deuteranopia

11.5783, 11.4009, 12.8996



Tritanopia

15.2954, 11.2589, 8.7642

Trichromacy



Original Color

16.3311, 11.3068, 13.6336

Protanomaly

12.5482, 10.9597, 16.4930

Deuteranomaly

12.9827, 11.1444, 13.0221

Tritanomaly

15.7147, 11.3426, 10.3779

Monochromacy



Original Color

16.3311, 11.3068, 13.6336

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.4718, 11.1148, 13.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3311, 11.3068, 13.6336 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(146, 69, 101)` looks like.

```
.text, #text, p{  
    color:rgb(146, 69, 101)  
}
```

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(146, 69, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 69, 101) }
```

Border

The CSS property to change the border of an element to XYZ 16.3311, 11.3068, 13.6336 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(146, 69, 101) }
```


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

```
.border{ border-color:rgb(146, 69, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 69, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 69, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 69, 101);  
box-shadow:4px 4px 4px 4px rgb(146, 69,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3311, 11.3068, 13.6336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 69, 101) }
```

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

```
.background{ background-color: rgb(146, 69,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor