

Converting Colors

XYZ(16.6631, 10.9932, 23.4340)

Have a look what the booklet for
XYZ(16.6631, 10.9932, 23.4340)
contains.

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Color

**XYZ(16.6631, 10.9932,
23.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4285
RGB	138, 66, 133
RGB Percent	54%, 26%, 52%
CMY	0.4588, 0.7412, 0.4784
CMYK	0.00, 0.52, 0.04, 0.46
HSL	304°, 35%, 40%
HSV	304°, 52%, 54%
XYZ	16.6631, 10.9932, 23.4340
YIQ	95.1660, 21.4050, 36.1010

Conversions

Conversions Part 2

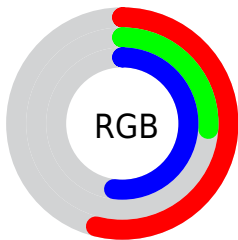
Format	Color
R_{YB}	138, 66, 133
Decimal	9060997
CIE _{Lab}	39.57, 40.32, -24.05
CIE _{LCh}	40, 46.945, 329.187
Yxy	10.9932, 0.3261, 0.2152
Android (android.graphics.Color)	4287251077 (0xFF8A4285)
YUV	95.1660, 18.6522, 37.5654
Hunter-Lab	33.1560, 31.6852, -18.6958

Details

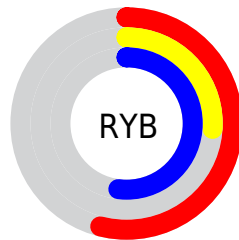
The XYZ color **16.6631, 10.9932, 23.4340** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.4731, 19.7905, 9.1245**, and the grayscale version is **10.8705, 11.4366, 12.4545**.

A 20% lighter version of the original color is **37.2165, 27.6052, 49.8212**, and **5.5430, 2.8908, 8.4494** is the 20% darker color. If you saturate the color by 10%, you get **15.8862, 9.5447, 22.8499**, and if you desaturate by 10%, it is **17.6359, 12.8321, 24.0866**.

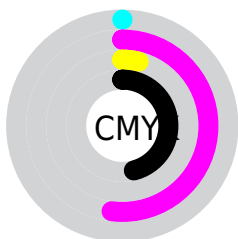
Distribution



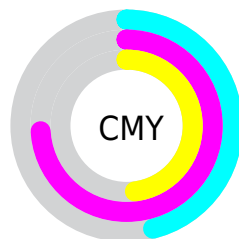
- Red (54%)
- Green (26%)
- Blue (52%)



- Red (54%)
- Yellow (26%)
- Blue (52%)



- Cyan (0%)
- Magenta (52%)
- Yellow (4%)
- Black (46%)



- Cyan (46%)
- Magenta (74%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6631, 10.9932, 23.4340 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 16.6631, 10.9932, 23.4340 by changing the saturation by 10% instead.

■ 16.6631, 10.9932,
23.4340

■ 16.6631, 10.9932,
23.4340

226.4177,
197.6209, 283.1402

■ 10.0884, 6.0623,
14.7060

■ 37.2938, 27.6476,
50.0372

■ 5.5203, 2.8830,
8.4690

■ 52.0806, 40.1398,
68.7494

■ 2.5935, 1.0709,
4.3044

■ 70.3354, 55.9213,
91.6268

■ 0.9427, 0.0000,
1.7938

■ 92.4236, 75.3764,
119.0879

■ 0.0000, 0.0000,
0.4239

■ 118.7106, 98.8895,
151.5513

■ 0.0000, 0.0000,
0.0000

149.5617,

126.8450, 189.4354

185.3422,
159.6274, 233.1589

■ 16.6631, 10.9932,
23.4340

■ 16.6631, 10.9932,
23.4340

■ 15.8862, 9.5447,
22.8499

■ 17.6359, 12.8321,
24.0866

■ 15.2899, 8.4565,
22.3289

■ 18.8163, 15.0855,
24.8112

■ 14.8583, 7.6968,
21.8657

■ 20.2164, 17.7773,
25.6121

■ 14.5723, 7.2276,
21.4541

■ 21.8470, 20.9292,
26.4929

■ 14.4051, 6.9728,
21.1528

■ 23.7184, 24.5615,
27.4569

■ 25.8399, 28.6932,
28.5073

■ 28.2207, 33.3424,
29.6471

■ 30.8692, 38.5261,
30.8792

■ 33.7936, 44.2607,
32.2064

Harmonies

Analogous

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



13.7402, 10.9932, 34.8387



16.6631, 10.9932, 23.4340



17.8742, 10.9932, 12.2212

Triad

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



16.6631, 10.9932, 23.4340



10.5362, 10.9932, 1.5884



5.9505, 10.9932, 22.7635

Complementary

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



16.6631, 10.9932, 23.4340



12.4731, 19.7905, 9.1245

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.



5.4309, 10.9932, 11.7217



16.6631, 10.9932, 23.4340



7.7300, 10.9932, 2.2428

Square

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



16.6631, 10.9932, 23.4340



13.9223, 10.9932, 2.3256



6.0106, 10.9932, 5.0297



7.6071, 10.9932, 34.3320

Rectangle

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



16.6631, 10.9932, 23.4340



17.3914, 10.9932, 7.0684



6.0106, 10.9932, 5.0297



5.6541, 10.9932, 18.7334

Sweetspot

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



16.6635, 10.9937, 23.4342



37.2595, 34.4729, 46.0329



9.1201, 7.0641, 24.9279



8.2446, 7.5147, 10.2642



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.6635, 10.9937, 23.4342



27.7470, 16.3544, 40.0676



14.5969, 10.1671, 12.5519



5.2191, 5.1231, 6.2423



13.2095, 6.3939, 19.4054



0.0898, 0.0433, 0.1399

Inverse Universe

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



16.6635, 10.9937, 23.4342



27.7470, 16.3544, 40.0676



13.9791, 20.3929, 17.0549



5.2191, 5.1231, 6.2423



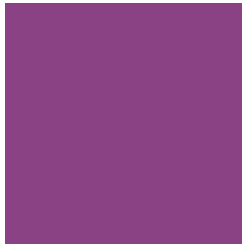
13.2095, 6.3939, 19.4054



0.0898, 0.0433, 0.1399

Previews

White Background



This preview shows how the XYZ color 16.6631, 10.9932, 23.4340 looks on a white background.

Color Contrast Check

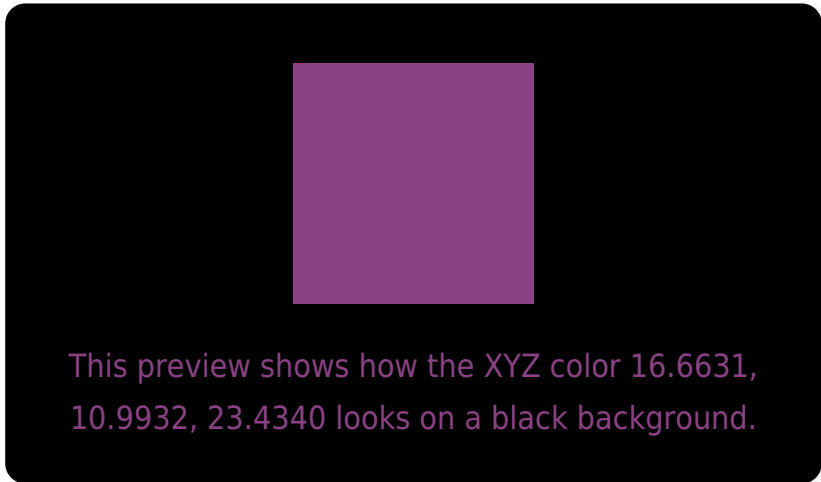
Large Text (above 18pt) WCAG AA ✓ Pass

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

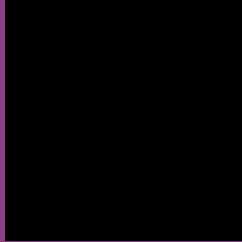
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6631, 10.9932, 23.4340

Background



This preview shows how black text looks on a background with the XYZ color 16.6631, 10.9932, 23.4340.



This preview shows how white text looks on a background with the XYZ color 16.6631, 10.9932,

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

16.6631, 10.9932, 23.4340

Protanopia

12.1274, 11.2498, 32.5426

Deuteranopia

11.3779, 11.2262, 21.9893



Tritanopia

13.8403, 10.9944, 9.7802

Trichromacy



Original Color

16.6631, 10.9932, 23.4340

Protanomaly

12.8739, 10.6203, 28.9751

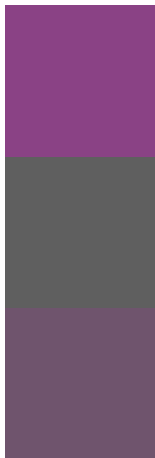
Deuteranomaly

12.7160, 10.6818, 22.5107

Tritanomaly

14.6786, 10.9252, 13.9055

Monochromacy



Original Color

16.6631, 10.9932, 23.4340

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.4862, 10.8243, 15.8992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6631, 10.9932, 23.4340 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(138, 66, 133)` looks like.

```
.text, #text, p{  
  color:rgb(138, 66, 133)  
}
```

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(138, 66, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 66, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.6631, 10.9932, 23.4340 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(138, 66, 133) }
```


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

```
.border{ border-color:rgb(138, 66, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 66, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 66, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 66, 133);  
box-shadow:4px 4px 4px 4px rgb(138, 66,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6631, 10.9932, 23.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 66, 133) }
```

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

```
.background{ background-color: rgb(138, 66,  
133) }
```

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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