

Converting Colors

XYZ(16.2926, 13.2783, 1.7932)

Have a look what the booklet for
XYZ(16.2926, 13.2783, 1.7932)
contains.

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Color

**XYZ(16.2931, 13.3376,
1.8018)**

Conversions

Conversions Part 1

Format	Color
Hex	985603
RGB	152, 86, 3
RGB Percent	60%, 34%, 1%
CMY	0.4039, 0.6627, 0.9882
CMYK	0.00, 0.43, 0.98, 0.40
HSL	33°, 96%, 30%
HSV	33°, 98%, 60%
XYZ	16.2931, 13.3376, 1.8018
YIQ	96.2720, 65.9790, -11.8210

Conversions

Conversions Part 2

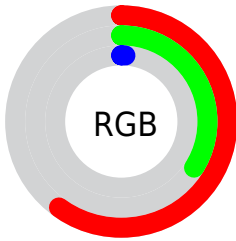
Format	Color
R_{YB}	121, 152, 3
Decimal	9983491
CIE Lab	43.27, 22.29, 51.22
CIE LCh	43, 55.859, 66.483
Yxy	13.3376, 0.5184, 0.4243
Android (android.graphics.Color)	4288173571 (0xFF985603)
YUV	96.2720, -45.9831, 48.8735
Hunter-Lab	36.5207, 15.7236, 22.6393

Details

The XYZ color **16.2931, 13.3376, 1.8018** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8330, 6.5423, 30.5553**, and the grayscale version is **11.2820, 11.8696, 12.9260**.

A 20% lighter version of the original color is **36.7711, 31.9316, 8.5003**, and **5.4781, 3.9505, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **16.1717, 13.1213, 1.6803**, and if you desaturate by 10%, it is **16.9509, 14.5024, 2.4868**.

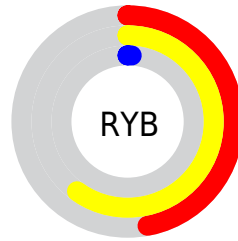
Distribution



Red (60%)

Green (34%)

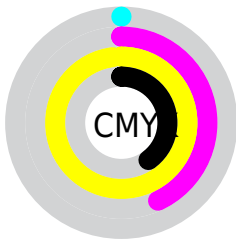
Blue (1%)



Red (47%)

Yellow (60%)

Blue (1%)

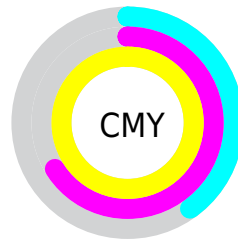


Cyan (0%)

Magenta (43%)

Yellow (98%)

Black (40%)



Cyan (40%)


Magenta (66%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2931, 13.3376, 1.8018 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 16.2931, 13.3376, 1.8018 by changing the saturation by 10% instead.


 16.2931, 13.3376,
1.8018


 16.2931, 13.3376,
1.8018


 224.3016,
213.0701, 119.2190


 9.8240, 7.6614,
0.4291


 36.6596, 31.9090,
8.4915


 5.3438, 3.8791,
0.0000

 51.2878, 45.5730,
14.7385


 2.4872, 1.6062,
0.0000

 69.3662, 62.6684,
23.4784

 0.8888, 0.3617,
0.0000

 91.2605, 83.5796,
35.1296


 0.0000, 0.0000,
0.0000


 117.3357,
108.6909, 50.1107


 147.9575,


138.3869, 68.8403


 183.4910,
173.0518, 91.7369


 16.2931, 13.3376,
1.8018


 16.2931, 13.3376,
1.8018


 16.1717, 13.1213,
1.6803

 16.9509, 14.5024,
2.4868

 17.7354, 15.8004,
3.5836

 18.6697, 17.2436,
5.2063

 19.7664, 18.8390,
7.4156

 21.0366, 20.5929,
10.2638

■ 22.4903, 22.5113,
13.7972

■ 24.1364, 24.5994,
18.0579

■ 25.9834, 26.8625,
23.0847

■ 28.0390, 29.3052,
28.9133

Harmonies

Analogous

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



20.6075, 13.3376, 4.4658



16.2931, 13.3376, 1.8018



11.7611, 13.3376, 1.3847

Triad

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



16.2931, 13.3376, 1.8018



6.0795, 13.3376, 17.3807



18.2921, 13.3376, 43.3204

Complementary

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



16.2931, 13.3376, 1.8018



7.8330, 6.5423, 30.5553

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.



13.6393, 13.3376, 53.3657



16.2931, 13.3376, 1.8018



7.0974, 13.3376, 33.7840

Square

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



16.2931, 13.3376, 1.8018



6.4785, 13.3376, 6.9415



9.6399, 13.3376, 49.1349



21.9331, 13.3376, 26.2489

Rectangle

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



16.2931, 13.3376, 1.8018



9.3185, 13.3376, 1.9345



9.6399, 13.3376, 49.1349



16.7586, 13.3376, 47.9701

Sweetspot

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



16.2934, 13.3383, 1.8020



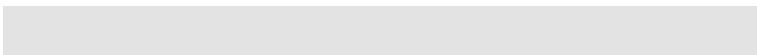
42.1335, 42.8335, 30.6299



14.0884, 7.1834, 6.4468



9.3116, 9.4013, 6.2708



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.



16.2934, 13.3383, 1.8020



28.3656, 22.8017, 2.9061



22.8423, 28.4417, 4.3721



6.4798, 6.7646, 6.5700



13.5910, 11.0644, 1.4193



0.2394, 0.2379, 0.0333

Inverse Universe

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



7.8330, 6.5423, 30.5553



13.4093, 10.8127, 53.8140



5.8309, 2.3996, 29.8612



6.0984, 6.4541, 7.8533



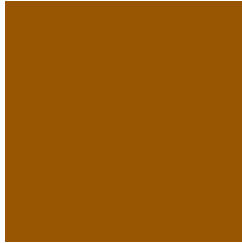
6.4813, 5.3592, 25.6005



0.1323, 0.1510, 0.3945

Previews

White Background



This preview shows how the XYZ color 16.2931, 13.3376, 1.8018 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



This preview shows how the XYZ color 16.2931, 13.3376, 1.8018 looks on a 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 16.2931, 13.3376, 1.8018

Background



This preview shows how black text looks on a background with the XYZ color 16.2931, 13.3376, 1.8018.



This preview shows how white text looks on a background with the XYZ color 16.2931, 13.3376,

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

16.2931, 13.3376, 1.8018

Protanopia

12.1191, 13.4400, 2.3033

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

18.0659, 13.3778, 10.4341

Trichromacy



Original Color

16.2931, 13.3376, 1.8018

Protanomaly

13.3773, 13.2362, 2.1082

Deuteranomaly

14.4894, 13.4109, 1.8536

Tritanomaly

17.0575, 13.1901, 5.3883

Monochromacy



Original Color

16.2931, 13.3376, 1.8018

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.8991, 11.7151, 6.1915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2931, 13.3376, 1.8018 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(152, 86, 3)` looks like.

```
.text, #text, p{  
    color:rgb(152, 86, 3)  
}
```

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(152, 86, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 86, 3) }
```

Border

The CSS property to change the border of an element to XYZ 16.2931, 13.3376, 1.8018 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(152, 86, 3) }
```


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

```
.border{ border-color:rgb(152, 86, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 86, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 86, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 86, 3);  
box-shadow:4px 4px 4px 4px rgb(152, 86, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2931, 13.3376, 1.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 86, 3) }
```

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

```
.background{ background-color: rgb(152, 86,  
3) }
```

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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