

Converting Colors

XYZ(19.6671, 18.4717, 6.9692)

Have a look what the booklet for
XYZ(19.6671, 18.4717, 6.9692)
contains.

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Color

**XYZ(19.6636, 18.4781,
6.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	996F3D
RGB	153, 111, 61
RGB Percent	60%, 44%, 24%
CMY	0.4000, 0.5647, 0.7608
CMYK	0.00, 0.27, 0.60, 0.40
HSL	33°, 43%, 42%
HSV	33°, 60%, 60%
XYZ	19.6636, 18.4781, 6.9451
YIQ	117.8580, 41.0820, -6.6460

Conversions

Conversions Part 2

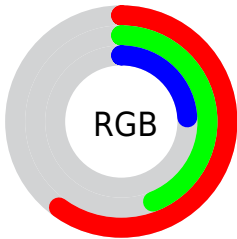
Format	Color
R_{YB}	138, 153, 61
Decimal	10055485
CIE _{Lab}	50.07, 10.93, 34.01
CIE _{LCh}	50, 35.718, 72.182
Yxy	18.4781, 0.4361, 0.4098
Android (android.graphics.Color)	4288245565 (0xFF996F3D)
YUV	117.8580, -28.0310, 30.8195
Hunter-Lab	42.9862, 6.4273, 20.5111

Details

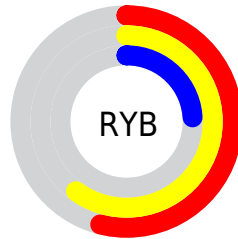
The XYZ color **19.6636, 18.4781, 6.9451** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5242, 12.9919, 31.9844**, and the grayscale version is **17.2518, 18.1502, 19.7656**.

A 20% lighter version of the original color is **42.4900, 41.0218, 20.4304**, and **7.0093, 6.2422, 1.2874** is the 20% darker color. If you saturate the color by 10%, you get **18.5764, 16.8719, 4.8315**, and if you desaturate by 10%, it is **20.9289, 20.2524, 9.6986**.

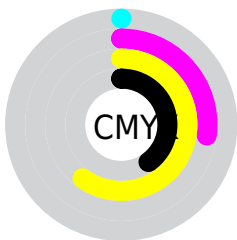
Distribution



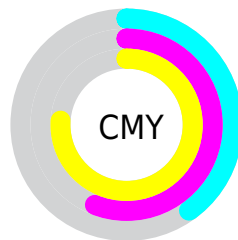
- Red (60%)
- Green (44%)
- Blue (24%)



- Red (54%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (40%)





- Cyan (40%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6636, 18.4781, 6.9451 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 19.6636, 18.4781, 6.9451 by changing the saturation by 10% instead.


 19.6636, 18.4781,
6.9451


 19.6636, 18.4781,
6.9451


242.9565,
243.5522, 176.8203

 12.2576, 11.2938,
3.3499


 42.3607, 40.8503,
20.3737


 6.9928, 6.2648,
1.2759


 58.3825, 56.8070,
31.0441

 3.5039, 3.0068,
0.0419

 78.0070, 76.4566,
44.9100

 1.4255, 1.1353,
0.0000

 101.5995,
100.1836, 62.3898

 0.2743, 0.0079,
0.0000

 129.5253,
128.3722, 83.9023

 0.0000, 0.0000,
0.0000

 162.1499,

161.4069, 109.8658

199.8385,
199.6721, 140.6990

■ 19.6636, 18.4781,
6.9451

■ 19.6636, 18.4781,
6.9451

■ 18.5764, 16.8719,
4.8315

■ 20.9289, 20.2524,
9.6986

■ 17.6543, 15.4241,
3.3020

■ 22.3813, 22.1983,
13.1391

■ 16.8843, 14.1281,
2.2928

■ 24.0308, 24.3225,
17.3108

■ 16.2422, 12.9830,
1.6499

■ 25.8862, 26.6305,
22.2536

■ 27.9555, 29.1274,
28.0046

■ 30.2465, 31.8183,
34.5983

■ 32.7664, 34.7077,
42.0674

■ 35.5221, 37.8004,
50.4429

■ 38.5202, 41.1005,
59.7539

Harmonies

Analogous

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



22.9289, 18.4781, 9.8992



19.6636, 18.4781, 6.9451



16.2050, 18.4781, 6.7108

Triad

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



19.6636, 18.4781, 6.9451



11.8630, 18.4781, 24.3831



22.3844, 18.4781, 37.6546

Complementary

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



19.6636, 18.4781, 6.9451



12.5242, 12.9919, 31.9844

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.



18.9945, 18.4781, 44.8681



19.6636, 18.4781, 6.9451



13.1070, 18.4781, 35.6912

Square

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



19.6636, 18.4781, 6.9451



11.9929, 18.4781, 14.8662



15.6174, 18.4781, 44.0509



24.6353, 18.4781, 26.4841

Rectangle

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



19.6636, 18.4781, 6.9451



14.2732, 18.4781, 7.9764



15.6174, 18.4781, 44.0509



21.3228, 18.4781, 40.7642

Sweetspot

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



19.6640, 18.4790, 6.9455



46.9886, 48.4608, 41.5737



17.3009, 11.1080, 14.3113



10.1657, 10.4440, 8.6075



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.



19.6640, 18.4790, 6.9455



32.6930, 29.3311, 7.6404



24.7989, 29.5969, 8.8208



6.4730, 6.7510, 6.5678



13.4576, 10.7976, 1.3749



0.2375, 0.2341, 0.0327

Inverse Universe

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



12.5242, 12.9919, 31.9844



18.7560, 18.6410, 56.5815



9.5373, 6.7298, 30.9331



6.1051, 6.4676, 7.8556



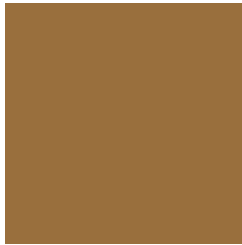
6.5867, 5.5700, 25.6357



0.1342, 0.1548, 0.3952

Previews

White Background



This preview shows how the XYZ color 19.6636, 18.4781, 6.9451 looks on a white background.

Color Contrast Check

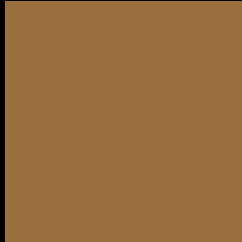
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.6636, 18.4781, 6.9451 looks on a black 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

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

XYZ 19.6636, 18.4781, 6.9451

Background



This preview shows how black text looks on a background with the XYZ color 19.6636, 18.4781, 6.9451.



This preview shows how white text looks on a background with the XYZ color 19.6636, 18.4781,

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

19.6636, 18.4781, 6.9451

Protanopia

17.1576, 18.7086, 7.5573

Deuteranopia

18.8655, 18.5639, 6.8638



Tritanopia

21.9368, 18.4635, 18.0304

Trichromacy



Original Color

19.6636, 18.4781, 6.9451

Protanomaly

18.0737, 18.6569, 7.3512

Deuteranomaly

19.1152, 18.5261, 6.8434

Tritanomaly

20.9884, 18.3915, 13.0334

Monochromacy



Original Color

19.6636, 18.4781, 6.9451

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6485, 17.9498, 13.8437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6636, 18.4781, 6.9451 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, 111, 61)` looks like.

```
.text, #text, p{  
    color:rgb(153, 111, 61)  
}
```

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, 111, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 111, 61) }
```

Border

The CSS property to change the border of an element to XYZ 19.6636, 18.4781, 6.9451 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, 111, 61) }
```


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

```
.border{ border-color:rgb(153, 111, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 111, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 111, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 111, 61);  
box-shadow:4px 4px 4px 4px rgb(153, 111,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6636, 18.4781, 6.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 111, 61) }
```

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

```
.background{ background-color: rgb(153,  
111, 61) }
```

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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