

Converting Colors

XYZ(16.7518, 13.3942, 4.6081)

Have a look what the booklet for
XYZ(16.7518, 13.3942, 4.6081)
contains.

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Color

**XYZ(16.7518, 13.3942,
4.6081)**

Conversions

Conversions Part 1

Format	Color
Hex	985531
RGB	152, 85, 49
RGB Percent	60%, 33%, 19%
CMY	0.4039, 0.6666, 0.8078
CMYK	0.00, 0.44, 0.68, 0.40
HSL	21°, 51%, 39%
HSV	21°, 68%, 60%
XYZ	16.7518, 13.3942, 4.6081
YIQ	100.9290, 51.4880, 3.0080

Conversions

Conversions Part 2

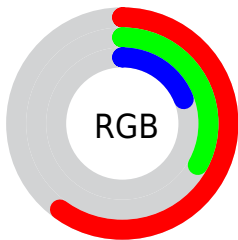
Format	Color
R_{YB}	152, 104, 49
Decimal	9983281
CIE _{Lab}	43.35, 24.51, 32.63
CIE _{LCh}	43, 40.812, 53.089
Y _{xy}	13.3942, 0.4820, 0.3854
Android (android.graphics.Color)	4288173361 (0xFF985531)
YUV	100.9290, -25.6010, 44.7893
Hunter-Lab	36.5981, 17.6570, 18.1534




Details

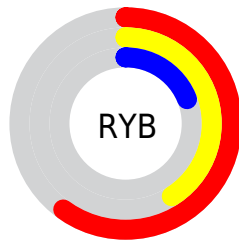
The XYZ color **16.7518, 13.3942, 4.6081** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1790, 15.4097, 31.9854**, and the grayscale version is **12.4064, 13.0525, 14.2141**.




A 20% lighter version of the original color is **37.3536, 31.8741, 15.2499**, and **5.5334, 3.8796, 0.5433** is the 20% darker color. If you saturate the color by 10%, you get **15.7588, 11.8379, 2.9527**, and if you desaturate by 10%, it is **17.9624, 15.2127, 6.8701**.

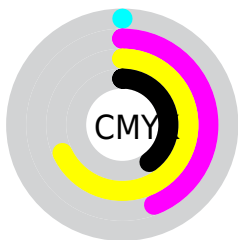
Distribution







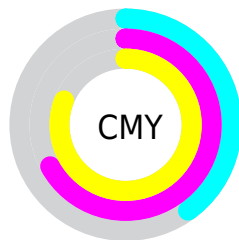
-  Red (60%)
-  Green (33%)
-  Blue (19%)






-  Red (60%)
-  Yellow (41%)
-  Blue (19%)



-  Cyan (0%)
-  Magenta (44%)
-  Yellow (68%)
-  Black (40%)





-  Cyan (40%)
-  Magenta (67%)
-  Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7518, 13.3942, 4.6081 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 16.7518, 13.3942, 4.6081 by changing the saturation by 10% instead.


 16.7518, 13.3942,
4.6081

 16.7518, 13.3942,
4.6081


226.9222,
213.4288, 154.7620


 10.1519, 7.7006,
1.9645


 37.4455, 32.0102,
15.3896


 5.5628, 3.9039,
0.5333

 52.2701, 45.7013,
24.3646

 2.6192, 1.6200,
0.0000

 70.5669, 62.8271,
36.2871

 0.9558, 0.3710,
0.0000

 92.7013, 83.7718,
51.5757

 0.0000, 0.0000,
0.0000

 119.0387,
108.9200, 70.6490

 149.9444,

138.6559, 93.9254

185.7838,
173.3641, 121.8236

■ 16.7518, 13.3942,
4.6081

■ 16.7518, 13.3942,
4.6081

■ 15.7588, 11.8379,
2.9527

■ 17.9624, 15.2127,
6.8701

■ 14.9666, 10.5283,
1.8417

■ 19.4038, 17.3038,
9.7911

■ 14.3501, 9.4481,
1.1650

■ 21.0889, 19.6795,
13.4185

■ 14.2280, 9.2337,
1.0324

■ 23.0294, 22.3508,
17.7953

■ 25.2363, 25.3277,
22.9608

■ 27.7198, 28.6198,
28.9517

■ 30.4895, 32.2365,
35.8023

■ 33.5545, 36.1866,
43.5449

■ 36.9237, 40.4784,
52.2102

Harmonies

Analogous

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



19.1984, 13.3942, 8.7554



16.7518, 13.3942, 4.6081



13.4781, 13.3942, 3.2146

Triad

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



16.7518, 13.3942, 4.6081



7.5895, 13.3942, 12.5835



15.2728, 13.3942, 37.2452

Complementary

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



16.7518, 13.3942, 4.6081



13.1790, 15.4097, 31.9854

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.



12.0116, 13.3942, 39.6708



16.7518, 13.3942, 4.6081



7.9082, 13.3942, 22.5532

Square

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



16.7518, 13.3942, 4.6081



8.4541, 13.3942, 6.4140



9.4110, 13.3942, 33.4585



18.2503, 13.3942, 27.7743

Rectangle

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



16.7518, 13.3942, 4.6081



11.4002, 13.3942, 3.3353



9.4110, 13.3942, 33.4585



14.1611, 13.3942, 39.0378

Sweetspot

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



16.7521, 13.3949, 4.6083



43.4753, 43.2728, 37.9952



17.2974, 10.1721, 18.0876



9.6494, 9.5231, 8.0911



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.



16.7521, 13.3949, 4.6083



27.1006, 19.7297, 4.1555



22.1439, 24.1785, 6.4056



6.3766, 6.5583, 6.5356



11.9568, 7.7960, 0.8746



0.2107, 0.1804, 0.0237

Inverse Universe

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



13.1790, 15.4097, 31.9854



20.2665, 23.3780, 55.8779



8.8921, 6.8360, 30.5564



6.2027, 6.6629, 7.8881



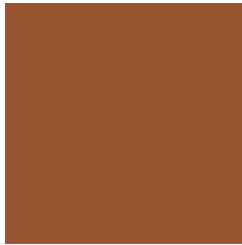
8.5124, 9.4214, 26.2776



0.1611, 0.2084, 0.4041

Previews

White Background



This preview shows how the XYZ color 16.7518, 13.3942, 4.6081 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 16.7518, 13.3942, 4.6081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

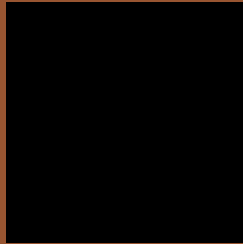
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7518, 13.3942, 4.6081

Background



This preview shows how black text looks on a background with the XYZ color 16.7518, 13.3942, 4.6081.



This preview shows how white text looks on a background with the XYZ color 16.7518, 13.3942,

4.6081.

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

16.7518, 13.3942, 4.6081

Protanopia

12.3499, 13.4870, 5.5668

Deuteranopia

13.6132, 13.4446, 4.4624



Tritanopia

17.9486, 13.4268, 10.4497

Trichromacy



Original Color

16.7518, 13.3942, 4.6081

Protanomaly

13.5779, 13.1348, 5.1878

Deuteranomaly

14.5808, 13.2682, 4.4818

Tritanomaly

17.3568, 13.2879, 7.9534

Monochromacy



Original Color

16.7518, 13.3942, 4.6081

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.3609, 12.7867, 9.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7518, 13.3942, 4.6081 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, 85, 49)` looks like.

```
.text, #text, p{  
    color:rgb(152, 85, 49)  
}
```

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, 85, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 85, 49) }
```

Border

The CSS property to change the border of an element to XYZ 16.7518, 13.3942, 4.6081 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, 85, 49) }
```


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

```
.border{ border-color:rgb(152, 85, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 85, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 85, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 85, 49);  
box-shadow:4px 4px 4px 4px rgb(152, 85,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7518, 13.3942, 4.6081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 85, 49) }
```

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

```
.background{ background-color: rgb(152, 85,  
49) }
```

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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