

Converting Colors

XYZ(16.7617, 13.1216, 4.4927)

Have a look what the booklet for
XYZ(16.7617, 13.1216, 4.4927)
contains.

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Color

**XYZ(16.7636, 13.1722,
4.4553)**

Conversions

Conversions Part 1

Format	Color
Hex	995330
RGB	153, 83, 48
RGB Percent	60%, 33%, 19%
CMY	0.4000, 0.6745, 0.8118
CMYK	0.00, 0.46, 0.69, 0.40
HSL	20°, 52%, 39%
HSV	20°, 69%, 60%
XYZ	16.7636, 13.1722, 4.4553
YIQ	99.9400, 52.9550, 3.9550

Conversions

Conversions Part 2

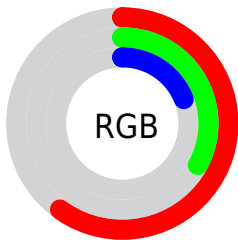
Format	Color
R_{YB}	153, 101, 48
Decimal	10048304
CIE _{Lab}	43.02, 26.00, 32.84
CIE _{LCh}	43, 41.887, 51.636
Yxy	13.1722, 0.4874, 0.3830
Android (android.graphics.Color)	4288238384 (0xFF995330)
YUV	99.9400, -25.6064, 46.5336
Hunter-Lab	36.2935, 18.9336, 18.1272

Details

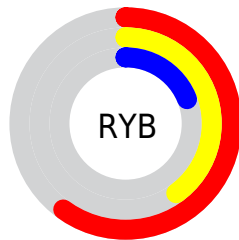
The XYZ color **16.7636, 13.1722, 4.4553** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.4467, 15.8843, 32.4940**, and the grayscale version is **12.1519, 12.7848, 13.9226**.

A 20% lighter version of the original color is **37.3171, 31.4502, 14.9301**, and **5.5661, 3.8053, 0.4699** is the 20% darker color. If you saturate the color by 10%, you get **15.7769, 11.6199, 2.8284**, and if you desaturate by 10%, it is **17.9747, 14.9991, 6.6947**.

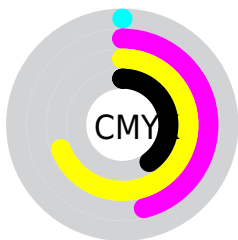
Distribution



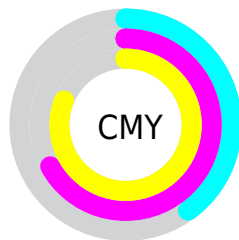
- Red (60%)
- Green (33%)
- Blue (19%)



- Red (60%)
- Yellow (40%)
- Blue (19%)



- Cyan (0%)
- Magenta (46%)
- Yellow (69%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7636, 13.1722, 4.4553 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 16.7636, 13.1722, 4.4553 by changing the saturation by 10% instead.

 16.7636, 13.1722,
4.4553


 16.7636, 13.1722,
4.4553


226.9893,
212.0183, 153.1590

 10.1603, 7.5472,
1.8783


 37.4657, 31.6128,
15.0469


 5.5685, 3.8066,
0.4789

 52.2953, 45.1972,
23.8986

 2.6227, 1.5660,
0.0000

 70.5977, 62.2036,
35.6789

 0.9575, 0.3345,
0.0000

 92.7382, 83.0163,
50.8064

 0.0000, 0.0000,
0.0000

 119.0823,
108.0197, 69.6996

 149.9953,

137.5983, 92.7771

185.8425,
172.1364, 120.4574

■ 16.7636, 13.1722,
4.4553

■ 16.7636, 13.1722,
4.4553

■ 15.7769, 11.6199,
2.8284

■ 17.9747, 14.9991,
6.6947

■ 14.9969, 10.3255,
1.7495

■ 19.4241, 17.1119,
9.6005

■ 14.3945, 9.2693,
1.0908

■ 21.1253, 19.5239,
13.2215

■ 14.3208, 9.1404,
1.0095

■ 23.0908, 22.2465,
17.6019

■ 25.3320, 25.2909,
22.7819

■ 27.8595, 28.6673,
28.7991

■ 30.6835, 32.3858,
35.6888

■ 33.8135, 36.4559,
43.4839

■ 37.2588, 40.8866,
52.2160

Harmonies

Analogous

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



19.1929, 13.1722, 8.7532



16.7636, 13.1722, 4.4553



13.4411, 13.1722, 2.9871

Triad

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



16.7636, 13.1722, 4.4553



7.3440, 13.1722, 11.9171



14.9411, 13.1722, 37.9078

Complementary

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



16.7636, 13.1722, 4.4553



13.4467, 15.8843, 32.4940

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.



11.6416, 13.1722, 39.9692



16.7636, 13.1722, 4.4553



7.6063, 13.1722, 21.9135

Square

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



16.7636, 13.1722, 4.4553



8.2700, 13.1722, 5.9190



9.0604, 13.1722, 33.1929



18.0215, 13.1722, 28.3821

Rectangle

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



16.7636, 13.1722, 4.4553



11.3135, 13.1722, 3.0492



9.0604, 13.1722, 33.1929



13.8089, 13.1722, 39.6226

Sweetspot

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



16.7639, 13.1729, 4.4555



44.1971, 43.7141, 38.0652



17.4638, 10.1943, 18.1868



9.5346, 9.3480, 7.8846



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.



16.7639, 13.1729, 4.4555



27.5129, 19.5963, 3.9856



22.4042, 24.4534, 6.3356



6.3687, 6.5424, 6.5330



11.8642, 7.6107, 0.8437



0.2085, 0.1759, 0.0230

Inverse Universe

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



13.4467, 15.8843, 32.4940



21.0713, 24.5972, 57.6091



8.8879, 6.7667, 30.9744



6.2110, 6.6794, 7.8909



8.7100, 9.8167, 26.3434



0.1633, 0.2129, 0.4049

Previews

White Background



This preview shows how the XYZ color 16.7636, 13.1722, 4.4553 looks on a white background.

Color Contrast Check

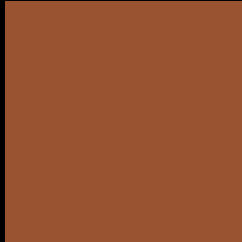
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7636, 13.1722, 4.4553 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 16.7636, 13.1722, 4.4553

Background



This preview shows how black text looks on a background with the XYZ color 16.7636, 13.1722, 4.4553.



This preview shows how white text looks on a background with the XYZ color 16.7636, 13.1722,

4.4553.

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

16.7636, 13.1722, 4.4553

Protanopia

12.2273, 13.2798, 5.4088

Deuteranopia

13.5007, 13.2509, 4.3287



Tritanopia

17.9138, 13.2006, 9.9913

Trichromacy



Original Color

16.7636, 13.1722, 4.4553

Protanomaly

13.6141, 13.0215, 5.0447

Deuteranomaly

14.4736, 13.0858, 4.3477

Tritanomaly

17.3324, 13.0623, 7.5690

Monochromacy



Original Color

16.7636, 13.1722, 4.4553

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.0957, 12.5214, 9.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7636, 13.1722, 4.4553 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, 83, 48)` looks like.

```
.text, #text, p{  
    color:rgb(153, 83, 48)  
}
```

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, 83, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 83, 48) }
```

Border

The CSS property to change the border of an element to XYZ 16.7636, 13.1722, 4.4553 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, 83, 48) }
```


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

```
.border{ border-color:rgb(153, 83, 48) }
```

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

Here you see how a box with a 4 pixel rgb(153, 83, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 83, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 83, 48);  
box-shadow:4px 4px 4px 4px rgb(153, 83,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7636, 13.1722, 4.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 83, 48) }
```

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

```
.background{ background-color: rgb(153, 83,  
48) }
```

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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