

Converting Colors

XYZ(16.7740, 14.7084, 6.5849)

Have a look what the booklet for
XYZ(16.7740, 14.7084, 6.5849)
contains.

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Color

**XYZ(16.7571, 14.7444,
6.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	91603F
RGB	145, 96, 63
RGB Percent	57%, 38%, 25%
CMY	0.4314, 0.6235, 0.7529
CMYK	0.00, 0.34, 0.57, 0.43
HSL	24°, 39%, 41%
HSV	24°, 57%, 57%
XYZ	16.7571, 14.7444, 6.6654
YIQ	106.8890, 39.7970, 0.1250

Conversions

Conversions Part 2

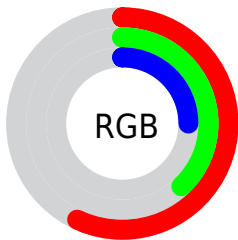
Format	Color
RYB	145, 118, 63
Decimal	9527359
CIELab	45.28, 16.22, 26.84
CIELCh	45, 31.356, 58.854
Yxy	14.7444, 0.4390, 0.3863
Android (android.graphics.Color)	4287717439 (0xFF91603F)
YUV	106.8890, -21.6373, 33.4233
Hunter-Lab	38.3984, 10.7002, 16.5870

Details

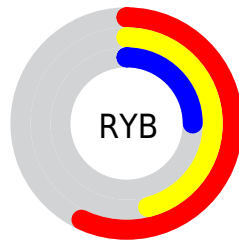
The XYZ color **16.7571, 14.7444, 6.6654** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9545, 14.6886, 28.9402**, and the grayscale version is **13.9951, 14.7239, 16.0343**.

A 20% lighter version of the original color is **37.3904, 34.4326, 19.7144**, and **5.5302, 4.4678, 1.1870** is the 20% darker color. If you saturate the color by 10%, you get **15.6567, 13.1089, 4.5559**, and if you desaturate by 10%, it is **18.0521, 16.5983, 9.3667**.

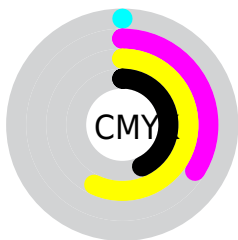
Distribution



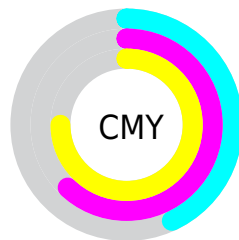
- Red (57%)
- Green (38%)
- Blue (25%)



- Red (57%)
- Yellow (46%)
- Blue (25%)



- Cyan (0%)
- Magenta (34%)
- Yellow (57%)
- Black (43%)





- Cyan (43%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7571, 14.7444, 6.6654 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 16.7571, 14.7444, 6.6654 by changing the saturation by 10% instead.


 16.7571, 14.7444,
6.6654


 16.7571, 14.7444,
6.6654


226.9523,
221.8139, 174.3778


 10.1557, 8.6402,
3.1785


 37.4546, 34.4042,
19.7981


 5.5654, 4.5072,
1.1865

 52.2814, 48.7285,
30.2810


 2.6208, 1.9612,
0.0000

 70.5807, 66.5617,
43.9330

 0.9566, 0.5848,
0.0000

 92.7179, 88.2881,
61.1726

 0.0000, 0.0000,
0.0000

 119.0583,
114.2921, 82.4183

 149.9673,

144.9582, 108.0887

185.8102,
180.6706, 138.6024

■ 16.7571, 14.7444,
6.6654

■ 16.7571, 14.7444,
6.6654

■ 15.6567, 13.1089,
4.5559

■ 18.0521, 16.5983,
9.3667

■ 14.7384, 11.6806,
2.9913

■ 19.5510, 18.6769,
12.7000

■ 13.9898, 10.4504,
1.9186

■ 21.2637, 20.9889,
16.7032

■ 13.3918, 9.4055,
1.2532

■ 23.1989, 23.5416,
21.4107

■ 13.2082, 9.0823,
1.0569

■ 25.3651, 26.3423,
26.8547

■ 27.7700, 29.3977,
33.0652

■ 30.4212, 32.7144,
40.0707

■ 33.3258, 36.2986,
47.8981

■ 36.4906, 40.1565,
56.5731

Harmonies

Analogous

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



18.8554, 14.7444, 10.0973



16.7571, 14.7444, 6.6654



14.1141, 14.7444, 5.5847

Triad

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



16.7571, 14.7444, 6.6654



9.5932, 14.7444, 15.7700



16.5631, 14.7444, 32.1083

Complementary

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



16.7571, 14.7444, 6.6654



12.9545, 14.6886, 28.9402

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.



13.9145, 14.7444, 35.0035



16.7571, 14.7444, 6.6654



10.0817, 14.7444, 23.9866

Square

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



16.7571, 14.7444, 6.6654



10.1621, 14.7444, 9.7382



11.5881, 14.7444, 31.6568



18.7340, 14.7444, 24.6394

Rectangle

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



16.7571, 14.7444, 6.6654



12.4624, 14.7444, 5.9712



11.5881, 14.7444, 31.6568



15.6896, 14.7444, 33.7344

Sweetspot

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



16.7575, 14.7451, 6.6657



41.2526, 41.7763, 37.6183



16.3903, 10.7491, 16.5986



9.0376, 9.1108, 8.0253



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.7575, 14.7451, 6.6657



27.5352, 22.7057, 7.2598



21.4914, 24.2130, 8.2437



5.5759, 5.7581, 5.7069



11.3535, 7.8387, 0.9146



0.1292, 0.1162, 0.0156

Inverse Universe

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



12.9545, 14.6886, 28.9402



19.9929, 22.5405, 51.2706



9.4268, 7.6332, 27.7643



5.3806, 5.7570, 6.8564



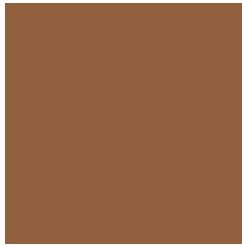
7.3079, 7.6018, 24.0592



0.0915, 0.1160, 0.2372

Previews

White Background



This preview shows how the XYZ color 16.7571, 14.7444, 6.6654 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 16.7571, 14.7444, 6.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

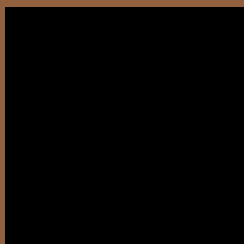
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7571, 14.7444, 6.6654

Background



This preview shows how black text looks on a background with the XYZ color 16.7571, 14.7444, 6.6654.



This preview shows how white text looks on a background with the XYZ color 16.7571, 14.7444,

6.6654.

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

16.7571, 14.7444, 6.6654

Protanopia

13.7118, 14.9123, 7.4659

Deuteranopia

15.0798, 14.8736, 6.6335



Tritanopia

18.2445, 14.8320, 13.4566

Trichromacy



Original Color

16.7571, 14.7444, 6.6654

Protanomaly

14.6861, 14.8060, 7.2381

Deuteranomaly

15.5800, 14.6964, 6.5730

Tritanomaly

17.5867, 14.6876, 10.5024

Monochromacy



Original Color

16.7571, 14.7444, 6.6654

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6237, 14.5208, 11.9296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7571, 14.7444, 6.6654 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(145, 96, 63)` looks like.

```
.text, #text, p{  
    color:rgb(145, 96, 63)  
}
```

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(145, 96, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 96, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.7571, 14.7444, 6.6654 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(145, 96, 63) }
```


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

```
.border{ border-color:rgb(145, 96, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 96, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 96, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 96, 63);  
box-shadow:4px 4px 4px 4px rgb(145, 96,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7571, 14.7444, 6.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 96, 63) }
```

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

```
.background{ background-color: rgb(145, 96,  
63) }
```

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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