

Converting Colors

XYZ(16.7758, 12.6281, 6.2123)

Have a look what the booklet for
XYZ(16.7758, 12.6281, 6.2123)
contains.

XYZ(16.7585, 12.5800, 6.2475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7585, 12.5800,
6.2475)**

Conversions

Conversions Part 1

Format	Color
Hex	994E3F
RGB	153, 78, 63
RGB Percent	60%, 31%, 25%
CMY	0.4000, 0.6941, 0.7529
CMYK	0.00, 0.49, 0.59, 0.40
HSL	10°, 42%, 42%
HSV	10°, 59%, 60%
XYZ	16.7585, 12.5800, 6.2475
YIQ	98.7150, 49.5150, 11.2350

Conversions

Conversions Part 2

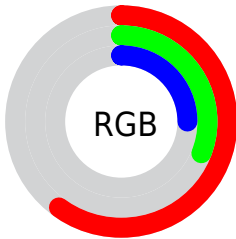
Format	Color
R_{YB}	153, 81, 63
Decimal	10047039
CIE Lab	42.12, 29.84, 23.07
CIE LCh	42, 37.720, 37.712
Yxy	12.5800, 0.4709, 0.3535
Android (android.graphics.Color)	4288237119 (0xFF994E3F)
YUV	98.7150, -17.6075, 47.6079
Hunter-Lab	35.4683, 22.2704, 14.3843

Details

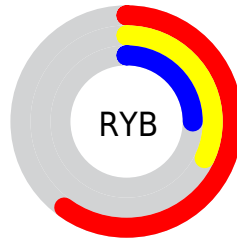
The XYZ color **16.7585, 12.5800, 6.2475** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.8875, 21.5323, 33.4030**, and the grayscale version is **11.8226, 12.4383, 13.5453**.

A 20% lighter version of the original color is **37.5835, 30.6971, 18.9832**, and **5.5203, 3.5204, 1.0504** is the 20% darker color. If you saturate the color by 10%, you get **15.5692, 10.7933, 4.0267**, and if you desaturate by 10%, it is **18.2429, 14.7669, 9.1531**.

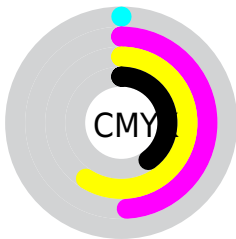
Distribution



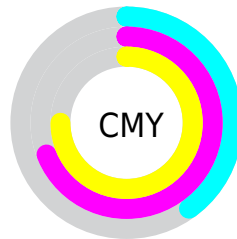
- Red (60%)
- Green (31%)
- Blue (25%)



- Red (60%)
- Yellow (32%)
- Blue (25%)



- Cyan (0%)
- Magenta (49%)
- Yellow (59%)
- Black (40%)





- Cyan (40%)
- Magenta (69%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7585, 12.5800, 6.2475 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 16.7585, 12.5800, 6.2475 by changing the saturation by 10% instead.


 16.7585, 12.5800,
6.2475


 16.7585, 12.5800,
6.2475


226.9603,
208.2081, 170.6422


 10.1567, 7.1400,
2.9249


 37.4570, 30.5471,
18.9289


 5.5660, 3.5498,
1.0564

 52.2844, 43.8431,
29.1249

 2.6212, 1.4251,
0.0000

 70.5844, 60.5264,
42.4491

 0.9568, 0.2351,
0.0000

 92.7223, 80.9815,
59.3200

 0.0000, 0.0000,
0.0000

 119.0635,
105.5929, 80.1563

 149.9733,

134.7448, 105.3764

185.8171,
168.8218, 135.3988

■ 16.7585, 12.5800,
6.2475

■ 16.7585, 12.5800,
6.2475

■ 15.5692, 10.7933,
4.0267

■ 18.2429, 14.7669,
9.1531

■ 14.6538, 9.3802,
2.4334

■ 20.0398, 17.3742,
12.7933

■ 13.9894, 8.3144,
1.4020

■ 22.1664, 20.4234,
17.2137

■ 13.5388, 7.5605,
0.7974

■ 24.6381, 23.9336,
22.4564

■ 13.4954, 7.4895,
0.7343

■ 27.4697, 27.9230,
28.5601

■ 30.6748, 32.4088,
35.5613

■ 34.2665, 37.4073,
43.4943

■ 38.2571, 42.9340,
52.3916

■ 42.6585, 49.0038,
62.2841

Harmonies

Analogous

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



18.1470, 12.5800, 11.7250



16.7585, 12.5800, 6.2475



14.1244, 12.5800, 3.7916

Triad

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



16.7585, 12.5800, 6.2475



7.6235, 12.5800, 8.6289



12.6964, 12.5800, 35.4527

Complementary

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



16.7585, 12.5800, 6.2475



16.8875, 21.5323, 33.4030

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.



10.0233, 12.5800, 33.5722



16.7585, 12.5800, 6.2475



7.3638, 12.5800, 15.8796

Square

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



16.7585, 12.5800, 6.2475



8.9483, 12.5800, 4.7433



8.1731, 12.5800, 25.5041



15.5741, 12.5800, 29.9388

Rectangle

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



16.7585, 12.5800, 6.2475



12.1738, 12.5800, 3.3265



8.1731, 12.5800, 25.5041



11.7426, 12.5800, 35.6937

Sweetspot

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



16.7588, 12.5807, 6.2477



44.3467, 43.1771, 40.6931



19.5018, 12.1623, 25.3645



9.5134, 9.1394, 8.3900



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.



16.7588, 12.5807, 6.2477



27.2414, 18.3490, 6.0665



21.1170, 21.2971, 7.7005



6.2879, 6.3809, 6.5061



11.1714, 6.2253, 0.6128



0.1854, 0.1298, 0.0153

Inverse Universe

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



16.8875, 21.5323, 33.4030



27.4230, 35.8077, 59.4382



11.7141, 11.1854, 31.6785



6.2969, 6.8512, 7.9195



11.0980, 14.5926, 27.1394



0.1864, 0.2592, 0.4126

Previews

White Background



This preview shows how the XYZ color 16.7585, 12.5800, 6.2475 looks on a white background.

Color Contrast Check

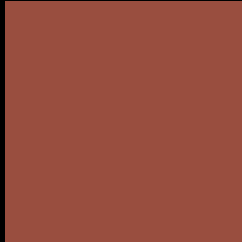
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7585, 12.5800, 6.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

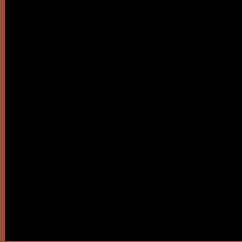
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7585, 12.5800, 6.2475

Background



This preview shows how black text looks on a background with the XYZ color 16.7585, 12.5800, 6.2475.



This preview shows how white text looks on a background with the XYZ color 16.7585, 12.5800,

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

16.7585, 12.5800, 6.2475

Protanopia

11.9112, 12.7704, 7.9680

Deuteranopia

12.7930, 12.5756, 6.0280



Tritanopia

17.3961, 12.6330, 9.3061

Trichromacy



Original Color

16.7585, 12.5800, 6.2475

Protanomaly

13.2135, 12.3690, 7.3213

Deuteranomaly

14.0875, 12.4682, 6.0790

Tritanomaly

17.2163, 12.6722, 8.0171

Monochromacy



Original Color

16.7585, 12.5800, 6.2475

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.0285, 12.0760, 10.4483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7585, 12.5800, 6.2475 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, 78, 63)` looks like.

```
.text, #text, p{  
    color:rgb(153, 78, 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(153, 78, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 78, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.7585, 12.5800, 6.2475 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, 78, 63) }
```


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

```
.border{ border-color:rgb(153, 78, 63) }
```

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

Here you see how a box with a 4 pixel rgb(153, 78, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 78, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 78, 63);  
box-shadow:4px 4px 4px 4px rgb(153, 78,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7585, 12.5800, 6.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 78, 63) }
```

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

```
.background{ background-color: rgb(153, 78,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor