

# Converting Colors

XYZ(16.7611, 12.6523, 7.8621)

Have a look what the booklet for  
XYZ(16.7611, 12.6523, 7.8621)  
contains.

<b>XYZ(16.7611, 12.6523, 7.8621)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(16.7611, 12.6523,  
7.8621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	974F49
RGB	151, 79, 73
RGB Percent	59%, 31%, 29%
CMY	0.4078, 0.6902, 0.7137
CMYK	0.00, 0.48, 0.52, 0.41
HSL	5°, 35%, 44%
HSV	5°, 52%, 59%
XYZ	16.7611, 12.6523, 7.8621
YIQ	99.8440, 44.8380, 13.3980

# Conversions

## Conversions Part 2

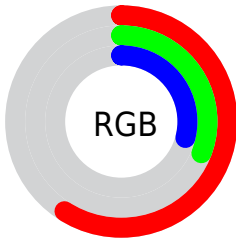
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 80, 73
Decimal	9916233
CIE <sub>Lab</sub>	42.23, 29.38, 17.12
CIE <sub>LCh</sub>	42, 34.001, 30.235
Yxy	12.6523, 0.4497, 0.3394
Android (android.graphics.Color)	4288106313 (0xFF974F49)
YUV	99.8440, -13.2341, 44.8638
Hunter-Lab	35.5701, 21.8640, 11.7941

# Details

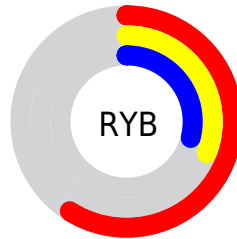
The XYZ color **16.7611, 12.6523, 7.8621** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4585, 23.9006, 32.9185**, and the grayscale version is **12.0983, 12.7284, 13.8612**.

A 20% lighter version of the original color is **37.5079, 30.7803, 22.3767**, and **5.5356, 3.5555, 1.5569** is the 20% darker color. If you saturate the color by 10%, you get **15.4178, 10.6720, 5.2371**, and if you desaturate by 10%, it is **18.4374, 15.1041, 11.1981**.

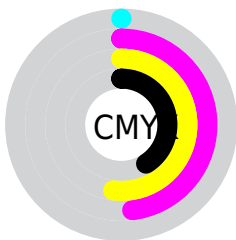
# Distribution



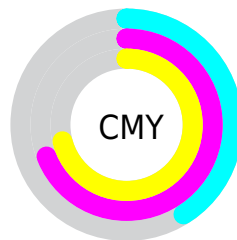
- Red (59%)
- Green (31%)
- Blue (29%)



- Red (59%)
- Yellow (31%)
- Blue (29%)



- Cyan (0%)
- Magenta (48%)
- Yellow (52%)
- Black (41%)




- Cyan (41%)
- Magenta (69%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7611, 12.6523, 7.8621 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 16.7611, 12.6523, 7.8621 by changing the saturation by 10% instead.





 16.7611, 12.6523,  
7.8621


 16.7611, 12.6523,  
7.8621


226.9751,  
208.6771, 184.5404


 10.1586, 7.1896,  
3.9203


 37.4614, 30.6777,  
22.2293


 5.5673, 3.5809,  
1.5817

 52.2899, 44.0091,  
33.4919


 2.6219, 1.4420,  
0.2777

 70.5911, 60.7323,  
48.0318

 0.9571, 0.2474,  
0.0000

 92.7304, 81.2315,  
66.2676

 0.0000, 0.0000,  
0.0000

 119.0731,  
105.8912, 88.6178

149.9845,

135.0958, 115.5010

185.8300,  
169.2296, 147.3357

■ 16.7611, 12.6523,  
7.8621

■ 16.7611, 12.6523,  
7.8621

■ 15.4178, 10.6720,  
5.2371

■ 18.4374, 15.1041,  
11.1981

■ 14.3844, 9.1312,  
3.2708

■ 20.4660, 18.0530,  
15.2908

■ 13.6361, 7.9968,  
1.9048

■ 22.8657, 21.5250,  
20.1830

■ 13.1440, 7.2302,  
1.0702

■ 25.6538, 25.5436,  
25.9141

■ 12.8894, 6.8332,  
0.6396

■ 28.8465, 30.1313,  
32.5208

■ 32.4591, 35.3088,  
40.0378

■ 36.5060, 41.0961,  
48.4976

■ 41.0011, 47.5121,  
57.9315

■ 45.9575, 54.5751,  
68.3691

# Harmonies

## Analogous

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



17.6043, 12.6523, 13.7188



16.7611, 12.6523, 7.8621



14.6185, 12.6523, 4.8485

# Triad

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



16.7611, 12.6523, 7.8621



8.2627, 12.6523, 7.9309



12.0457, 12.6523, 33.0462

# Complementary

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



16.7611, 12.6523, 7.8621



18.4585, 23.9006, 32.9185

# 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.



9.7591, 12.6523, 29.8469



16.7611, 12.6523, 7.8621



7.7709, 12.6523, 13.8338

# Square

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



16.7611, 12.6523, 7.8621



9.7289, 12.6523, 4.8772



8.2784, 12.6523, 22.0939



14.6581, 12.6523, 29.7507



# Rectangle

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



16.7611, 12.6523, 7.8621



12.8736, 12.6523, 4.0744



8.2784, 12.6523, 22.0939



11.2157, 12.6523, 32.6844

# Sweetspot

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



16.7614, 12.6530, 7.8623



44.0403, 43.0061, 42.4894



20.3178, 13.4136, 28.6308



9.7884, 9.4557, 9.2022



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.



16.7614, 12.6530, 7.8623



27.2819, 18.6235, 8.7441



20.3498, 19.8297, 9.0585



6.2451, 6.2953, 6.4918



10.9747, 5.8319, 0.5472



0.1730, 0.1050, 0.0111



# Inverse Universe

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



18.4585, 23.9006, 32.9185



30.6413, 41.0140, 58.7352



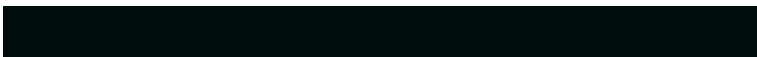
13.5706, 14.1247, 31.2892



6.3439, 6.9452, 7.9352



12.6624, 17.7215, 27.6609

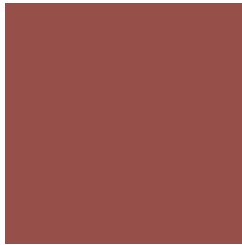


0.1997, 0.2858, 0.4170



# Previews

## White Background



This preview shows how the XYZ color 16.7611, 12.6523, 7.8621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

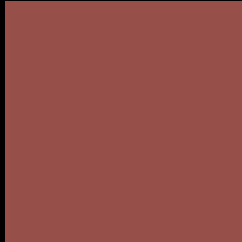
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 16.7611, 12.6523, 7.8621 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 16.7611, 12.6523, 7.8621**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.7611, 12.6523, 7.8621.



This preview shows how white text looks on a background with the XYZ color 16.7611, 12.6523,



# 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

16.7611, 12.6523, 7.8621

### Protanopia

12.0624, 12.8030, 10.0191

### Deuteranopia

12.8961, 12.7299, 7.5718



## Tritanopia

17.2346, 12.7487, 9.7360

# Trichromacy



## Original Color

16.7611, 12.6523, 7.8621

## Protanomaly

13.2645, 12.3564, 9.0830

## Deuteranomaly

14.1536, 12.5926, 7.6459

## Tritanomaly

17.0846, 12.6887, 8.9458

# Monochromacy



## Original Color

16.7611, 12.6523, 7.8621

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

13.2804, 12.3144, 11.3498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.7611, 12.6523, 7.8621 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(151, 79, 73)` looks like.

```
.text, #text, p{  
    color:rgb(151, 79, 73)  
}
```

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(151, 79, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 79, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 16.7611, 12.6523, 7.8621 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(151, 79, 73) }
```



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

```
.border{ border-color:rgb(151, 79, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 79, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 79, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 79, 73);  
box-shadow:4px 4px 4px 4px rgb(151, 79,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.7611, 12.6523, 7.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 79, 73) }
```

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

```
.background{ background-color: rgb(151, 79,  
73) }
```

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