

# Converting Colors

XYZ(16.2524, 17.4766, 9.6605)

Have a look what the booklet for  
XYZ(16.2524, 17.4766, 9.6605)  
contains.

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# Color

**XYZ(16.2247, 17.4765,  
9.7259)**

# Conversions

Conversions Part 1	
Format	Color
Hex	7E744E
RGB	126, 116, 78
RGB Percent	49%, 45%, 31%
CMY	0.5059, 0.5451, 0.6941
CMYK	0.00, 0.08, 0.38, 0.51
HSL	48°, 24%, 40%
HSV	48°, 38%, 49%
XYZ	16.2247, 17.4765, 9.7259
YIQ	114.6580, 18.1580, -9.6980

# Conversions

## Conversions Part 2

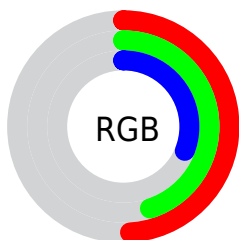
Format	Color
<a href="#">RYB</a>	<a href="#">91, 126, 78</a>
Decimal	<a href="#">8287310</a>
CIELab	<a href="#">48.85, -2.18, 22.42</a>
CIELCh	<a href="#">49, 22.522, 95.563</a>
Yxy	<a href="#">17.4765, 0.3736, 0.4024</a>
Android (android.graphics.Color)	<a href="#">4286477390</a> (0xFF7E744E)
YUV	<a href="#">114.6580, -18.0724, 9.9469</a>
Hunter-Lab	<a href="#">41.8049, -3.8818, 15.4696</a>

# Details

The XYZ color **16.2247, 17.4765, 9.7259** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.3974, 10.1051, 21.1410**, and the grayscale version is **16.2416, 17.0875, 18.6083**.

A 20% lighter version of the original color is **36.4238, 39.1213, 25.7101**, and **5.3221, 5.7805, 2.2741** is the 20% darker color. If you saturate the color by 10%, you get **15.5175, 16.7171, 7.4710**, and if you desaturate by 10%, it is **17.0279, 18.2893, 12.4403**.

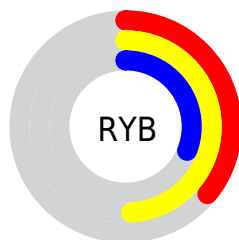
# Distribution



Red (49%)

Green (45%)

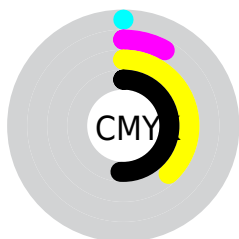
Blue (31%)



Red (36%)

Yellow (49%)

Blue (31%)

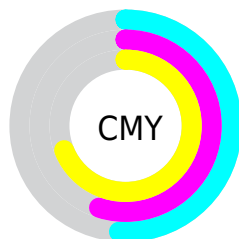


Cyan (0%)

Magenta (8%)

Yellow (38%)

Black (51%)



Cyan (51%)

Magenta (55%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2247, 17.4765, 9.7259 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 16.2247, 17.4765, 9.7259 by changing the saturation by 10% instead.





 16.2247, 17.4765,  
9.7259


 16.2247, 17.4765,  
9.7259


223.9084,  
237.9035, 199.1176


 9.7752, 10.5748,  
5.1144


 36.5422, 39.1432,  
25.8784


 5.3113, 5.7817,  
2.2546

 51.1408, 54.6771,  
38.2564


 2.4676, 2.7128,  
0.7056

 69.1865, 73.8571,  
54.0603

 0.8790, 0.9837,  
0.0000

 91.0446, 97.0677,  
73.7087


 0.0000, 0.0000,  
0.0000


 117.0805,  
124.6932, 97.6201


147.6595,


157.1181, 126.2130


183.1470,  
194.7268, 159.9060


 16.2247, 17.4765,  
9.7259


 16.2247, 17.4765,  
9.7259


 15.5175, 16.7171,  
7.4710


 17.0279, 18.2893,  
12.4403


 14.9000, 16.0064,  
5.6485


 17.9304, 19.1549,  
15.6372


 14.3670, 15.3431,  
4.2298


 18.9370, 20.0761,  
19.3394


 13.9124, 14.7244,  
3.1826


 20.0518, 21.0545,  
23.5679


 13.5290, 14.1474,  
2.4697


 21.2785, 22.0918,  
28.3424


 13.1994, 13.6051,  
1.9993

 22.6208, 23.1896,  
33.6817

 13.1383, 13.5039,  
1.9140

 24.0821, 24.3493,  
39.6038

 25.6658, 25.5723,  
46.1256

 27.3749, 26.8601,  
53.2636

# Harmonies

## Analogous

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



18.3277, 17.4765, 10.3631



16.2247, 17.4765, 9.7259



14.3836, 17.4765, 11.1244

# Triad

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



16.2247, 17.4765, 9.7259



13.5544, 17.4765, 26.5301



20.5407, 17.4765, 24.1928

# Complementary

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



16.2247, 17.4765, 9.7259



10.3974, 10.1051, 21.1410

# 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.



19.0570, 17.4765, 29.9984



16.2247, 17.4765, 9.7259



15.0048, 17.4765, 31.5338

# Square

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



16.2247, 17.4765, 9.7259



12.9269, 17.4765, 20.1655



17.0032, 17.4765, 32.9201



20.9357, 17.4765, 17.9359



# Rectangle

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



16.2247, 17.4765, 9.7259



13.5148, 17.4765, 13.2394



17.0032, 17.4765, 32.9201



20.1470, 17.4765, 26.2996

# Sweetspot

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



16.2251, 17.4773, 9.7263



32.7529, 34.8149, 31.8821



13.1067, 10.5958, 10.6742



7.4063, 7.8793, 7.0904



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970



# Same Dimension

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



16.2251, 17.4773, 9.7263



27.4339, 29.5582, 13.5197



15.5691, 18.9427, 10.0437



4.5917, 4.8722, 4.6185



13.4756, 13.8477, 1.9626



0.0000, 0.0000, 0.0000



# Inverse Universe

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



10.3974, 10.1051, 21.1410



15.5918, 14.5853, 36.7378



10.8642, 9.2101, 20.9437



4.1758, 4.3457, 5.4320



4.2452, 2.3089, 20.4719



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 16.2247, 17.4765, 9.7259 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 16.2247, 17.4765, 9.7259 looks on a black 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

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

**XYZ 16.2247, 17.4765, 9.7259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.2247, 17.4765, 9.7259.



This preview shows how white text looks on a background with the XYZ color 16.2247, 17.4765,



# 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

16.2247, 17.4765, 9.7259

### Protanopia

16.2247, 17.4765, 9.7259

### Deuteranopia

17.7432, 17.4224, 9.8248



## Tritanopia

18.3743, 17.5261, 19.8672

# Trichromacy



**Original Color**  
16.2247, 17.4765, 9.7259

**Protanomaly**  
16.2247, 17.4765, 9.7259

**Deuteranomaly**  
17.1479, 17.4431, 9.8602

**Tritanomaly**  
17.4571, 17.4769, 15.5500

# Monochromacy



**Original Color**  
16.2247, 17.4765, 9.7259

**Achromatopsia**  
16.2955, 17.1441, 18.6699

**Achromatomaly**  
16.1368, 17.1427, 15.0287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.2247, 17.4765, 9.7259 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(126, 116, 78) looks like.

```
.text, #text, p{  
    color:rgb(126, 116, 78)  
}
```

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(126, 116, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 116, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 16.2247, 17.4765, 9.7259 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(126, 116, 78) }
```



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

```
.border{ border-color:rgb(126, 116, 78) }
```

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

Here you see how a box with a 4 pixel rgb(126, 116, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 116, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 116, 78);  
box-shadow:4px 4px 4px 4px rgb(126, 116,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.2247, 17.4765, 9.7259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 116, 78) }
```

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

```
.background{ background-color: rgb(126,  
116, 78) }
```

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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