

Converting Colors

XYZ(16.7713, 17.6415, 15.3048)

Have a look what the booklet for
XYZ(16.7713, 17.6415, 15.3048)
contains.

XYZ(16.7196, 17.6076, 15.3494)	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(16.7196, 17.6076,
15.3494)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7467
RGB	122, 116, 103
RGB Percent	48%, 45%, 40%
CMY	0.5216, 0.5451, 0.5961
CMYK	0.00, 0.05, 0.16, 0.52
HSL	41°, 8%, 44%
HSV	41°, 16%, 48%
XYZ	16.7196, 17.6076, 15.3494
YIQ	116.3120, 7.7490, -2.7710

Conversions

Conversions Part 2

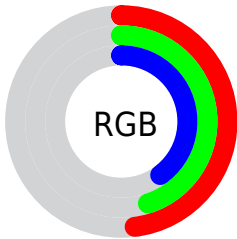
Format	Color
R_{YB}	112, 122, 103
Decimal	8025191
CIE Lab	49.02, -0.09, 8.01
CIE LCh	49, 8.009, 90.635
Yxy	17.6076, 0.3366, 0.3544
Android (android.graphics.Color)	4286215271 (0xFF7A7467)
YUV	116.3120, -6.5628, 4.9884
Hunter-Lab	41.9614, -2.3088, 7.6848

Details

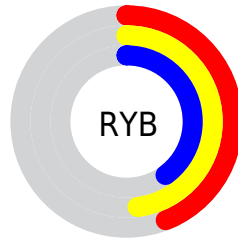
The XYZ color **16.7196, 17.6076, 15.3494** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5750, 15.2257, 20.5832**, and the grayscale version is **16.7145, 17.5849, 19.1500**.

A 20% lighter version of the original color is **37.2909, 39.3370, 36.1992**, and **5.5286, 5.8362, 4.5765** is the 20% darker color. If you saturate the color by 10%, you get **15.7168, 16.5114, 12.2113**, and if you desaturate by 10%, it is **17.8311, 18.7779, 18.9651**.

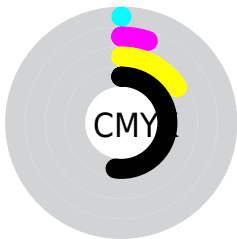
Distribution



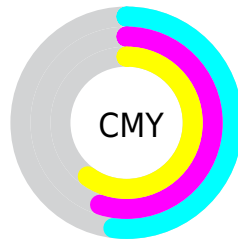
- Red (48%)
- Green (45%)
- Blue (40%)



- Red (44%)
- Yellow (48%)
- Blue (40%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (52%)



- Cyan (52%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7196, 17.6076, 15.3494 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 16.7196, 17.6076, 15.3494 by changing the saturation by 10% instead.

■ 16.7196, 17.6076,
15.3494

■ 16.7196, 17.6076,
15.3494

226.7392,
238.6499, 237.1846

■ 10.1288, 10.6686,
8.9156

■ 37.3905, 39.3675,
36.2159

■ 5.5474, 5.8445,
4.5901

■ 52.2013, 54.9573,
51.4857

■ 2.6099, 2.7507,
1.9544

■ 70.4829, 74.1995,
70.5380

■ 0.9510, 1.0030,
0.5270

■ 92.6005, 97.4784,
93.7912

■ 0.0000, 0.0000,
0.0000

118.9196,
125.1785, 121.6639

149.8055,

157.6842, 154.5747

185.6236,
195.3799, 192.9421

■ 16.7196, 17.6076,
15.3494

■ 16.7196, 17.6076,
15.3494

■ 15.7168, 16.5114,
12.2113

■ 17.8311, 18.7779,
18.9651

■ 14.8172, 15.4850,
9.5292

■ 19.0538, 20.0219,
23.0764

■ 14.0170, 14.5271,
7.2817

■ 20.3918, 21.3422,
27.7018

■ 13.3115, 13.6354,
5.4451

■ 21.8485, 22.7404,
32.8583

■ 12.6954, 12.8076,
3.9936

■ 23.4272, 24.2182,
38.5624

■ 12.1632, 12.0408,
2.8981

■ 25.1310, 25.7772,
44.8298

■ 11.7082, 11.3323,
2.1256

■ 26.9631, 27.4189,
51.6754

■ 11.3195, 10.6771,
1.6194

■ 28.9264, 29.1449,
59.1138

■ 11.1569, 10.3993,
1.4192

■ 31.0236, 30.9565,
67.1589

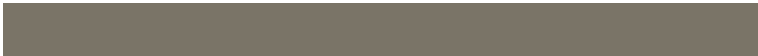
Harmonies

Analogous

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



17.4490, 17.6076, 15.8089



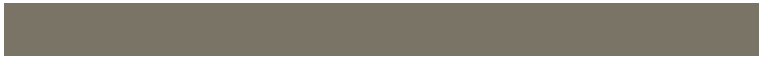
16.7196, 17.6076, 15.3494



16.0150, 17.6076, 15.8490

Triad

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



16.7196, 17.6076, 15.3494



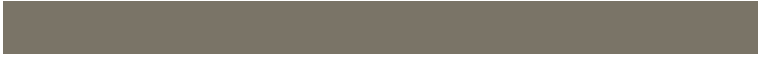
15.5311, 17.6076, 21.3427



18.0173, 17.6076, 21.2581

Complementary

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



16.7196, 17.6076, 15.3494



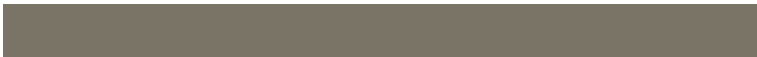
14.5750, 15.2257, 20.5832

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.



17.4773, 17.6076, 22.9291



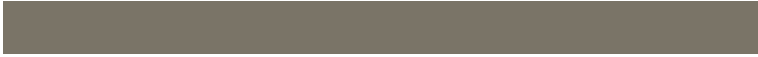
16.7196, 17.6076, 15.3494



16.0417, 17.6076, 22.9804

Square

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



16.7196, 17.6076, 15.3494



15.3414, 17.6076, 19.2173



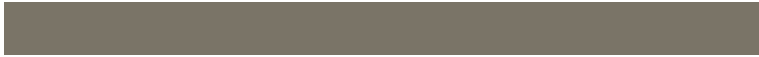
16.7514, 17.6076, 23.5810



18.2116, 17.6076, 19.1262

Rectangle

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



16.7196, 17.6076, 15.3494



15.6506, 17.6076, 16.6818



16.7514, 17.6076, 23.5810



17.8694, 17.6076, 21.8978

Sweetspot

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



16.7201, 17.6084, 15.3498



31.4632, 33.1320, 33.6734



15.6377, 14.9428, 16.5330



7.1677, 7.5484, 7.6121



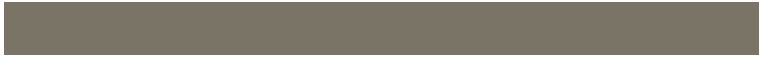
59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.7201, 17.6084, 15.3498



28.7076, 30.2135, 24.7619



16.9495, 18.7863, 15.5651



4.2061, 4.4306, 4.2580



11.7388, 10.9335, 1.4917



55.2058, 50.5750, 6.8523

Inverse Universe

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



14.5750, 15.2257, 20.5832



24.1145, 25.1122, 35.9691



14.3648, 14.1998, 20.3962



3.8914, 4.0810, 5.0258



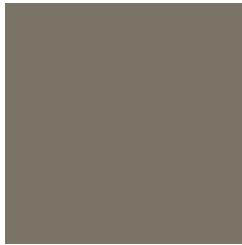
4.4386, 2.9596, 19.7226



20.4881, 12.7488, 93.8507

Previews

White Background



This preview shows how the XYZ color 16.7196, 17.6076, 15.3494 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 16.7196, 17.6076, 15.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

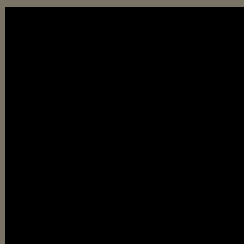
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

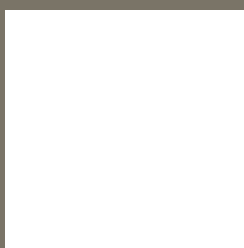
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7196, 17.6076, 15.3494

Background



This preview shows how black text looks on a background with the XYZ color 16.7196, 17.6076, 15.3494.



This preview shows how white text looks on a background with the XYZ color 16.7196, 17.6076,

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

16.7196, 17.6076, 15.3494

Protanopia

16.7196, 17.6076, 15.3494

Deuteranopia

17.8086, 17.4934, 15.5346



Tritanopia

17.8754, 17.5754, 20.8626

Trichromacy



Original Color

16.7196, 17.6076, 15.3494

Protanomaly

16.7196, 17.6076, 15.3494

Deuteranomaly

17.3059, 17.3989, 15.5429

Tritanomaly

17.4240, 17.5575, 18.6903

Monochromacy



Original Color

16.7196, 17.6076, 15.3494

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5858, 17.4900, 17.5407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7196, 17.6076, 15.3494 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(122, 116, 103)` looks like.

```
.text, #text, p{  
    color:rgb(122, 116, 103)  
}
```

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(122, 116, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 116, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.7196, 17.6076, 15.3494 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(122, 116, 103) }
```


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

```
.border{ border-color:rgb(122, 116, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 116, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 116, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 116, 103);  
box-shadow:4px 4px 4px 4px rgb(122, 116,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7196, 17.6076, 15.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 116, 103) }
```

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

```
.background{ background-color: rgb(122,  
116, 103) }
```

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