

Converting Colors

XYZ(16.8378, 17.4734, 16.2546)

Have a look what the booklet for
XYZ(16.8378, 17.4734, 16.2546)
contains.

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Color

**XYZ(16.7583, 17.4397,
16.1186)**

Conversions

Conversions Part 1

Format	Color
Hex	7A736A
RGB	122, 115, 106
RGB Percent	48%, 45%, 42%
CMY	0.5216, 0.5490, 0.5843
CMYK	0.00, 0.06, 0.13, 0.52
HSL	34°, 7%, 45%
HSV	34°, 13%, 48%
XYZ	16.7583, 17.4397, 16.1186
YIQ	116.0670, 7.0610, -1.3150

Conversions

Conversions Part 2

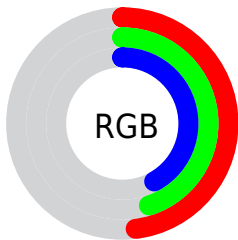
Format	Color
R_{YB}	118, 122, 106
Decimal	8024938
CIE Lab	48.81, 1.02, 5.94
CIE LCh	49, 6.027, 80.249
Yxy	17.4397, 0.3331, 0.3466
Android (android.graphics.Color)	4286215018 (0xFF7A736A)
YUV	116.0670, -4.9630, 5.2032
Hunter-Lab	41.7609, -1.4509, 6.3482

Details

The XYZ color **16.7583, 17.4397, 16.1186** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3617, 16.2791, 20.7450**, and the grayscale version is **16.6346, 17.5009, 19.0585**.

A 20% lighter version of the original color is **37.3601, 39.0704, 37.4705**, and **5.5442, 5.7465, 4.9547** is the 20% darker color. If you saturate the color by 10%, you get **15.5777, 16.0225, 12.8145**, and if you desaturate by 10%, it is **18.0653, 18.9650, 19.9107**.

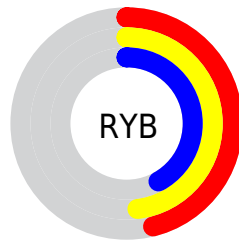
Distribution



Red (48%)

Green (45%)

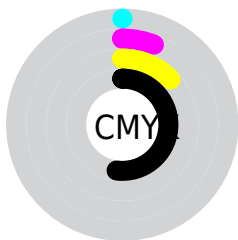
Blue (42%)



Red (46%)

Yellow (48%)

Blue (42%)

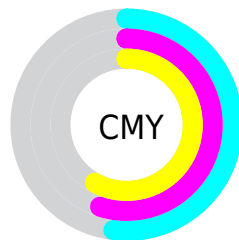


Cyan (0%)

Magenta (6%)

Yellow (13%)

Black (52%)



Cyan (52%)

Magenta (55%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7583, 17.4397, 16.1186 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 16.7583, 17.4397, 16.1186 by changing the saturation by 10% instead.

■ 16.7583, 17.4397,
16.1186

■ 16.7583, 17.4397,
16.1186

226.9592,
237.6937, 241.9101

■ 10.1565, 10.5485,
9.4529

■ 37.4567, 39.0802,
37.5736

■ 5.5659, 5.7641,
4.9369

■ 52.2840, 54.5984,
53.2000

■ 2.6211, 2.7022,
2.1522

■ 70.5838, 73.7609,
72.6503

■ 0.9567, 0.9783,
0.6466

■ 92.7216, 96.9522,
96.3431

■ 0.0000, 0.0000,
0.0000

119.0627,
124.5568, 124.6970

149.9724,

156.9589, 158.1304

185.8161,
194.5431, 197.0619

■ 16.7583, 17.4397,
16.1186

■ 16.7583, 17.4397,
16.1186

■ 15.5777, 16.0225,
12.8145

■ 18.0653, 18.9650,
19.9107

■ 14.5178, 14.7085,
9.9771

■ 19.5016, 20.5986,
24.2086

■ 13.5743, 13.4954,
7.5851

■ 21.0714, 22.3439,
29.0306

■ 12.7423, 12.3804,
5.6153

■ 22.7786, 24.2031,
34.3939

■ 12.0163, 11.3603,
4.0421

■ 24.6267, 26.1786,
40.3147

■ 11.3904, 10.4315,
2.8374

■ 26.6193, 28.2727,
46.8087

■ 10.8578, 9.5903,
1.9690

■ 28.7596, 30.4875,
53.8909

■ 10.4103, 8.8323,
1.3974

■ 31.0508, 32.8250,
61.5756

■ 10.1325, 8.3505,
1.0778

■ 33.4961, 35.2873,
69.8768

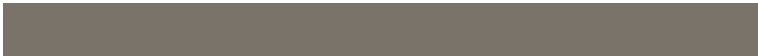
Harmonies

Analogous

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



17.2715, 17.4397, 16.7230



16.7583, 17.4397, 16.1186



16.2073, 17.4397, 16.2494

Triad

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



16.7583, 17.4397, 16.1186



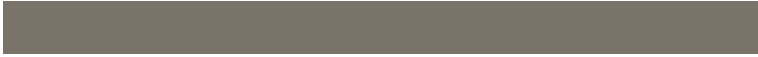
15.5895, 17.4397, 20.0723



17.4146, 17.4397, 21.0223

Complementary

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



16.7583, 17.4397, 16.1186



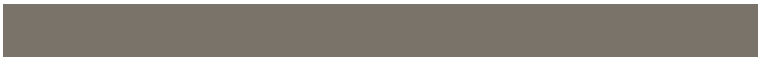
15.3617, 16.2791, 20.7450

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.



16.9500, 17.4397, 22.0201



16.7583, 17.4397, 16.1186



15.8992, 17.4397, 21.4507

Square

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



16.7583, 17.4397, 16.1186



15.5408, 17.4397, 18.4732



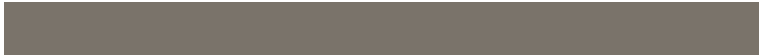
16.3949, 17.4397, 22.1811



17.6560, 17.4397, 19.5141

Rectangle

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



16.7583, 17.4397, 16.1186



15.8923, 17.4397, 16.7388



16.3949, 17.4397, 22.1811



17.2789, 17.4397, 21.4321

Sweetspot

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



16.7588, 17.4405, 16.1190



31.5465, 33.0931, 34.3346



16.1722, 15.6426, 17.8490



7.1784, 7.5266, 7.7486



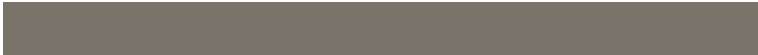
59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.7588, 17.4405, 16.1190



28.7799, 29.8464, 26.3634



17.4744, 19.0392, 16.3898



4.1679, 4.3542, 4.2453



10.6595, 8.7750, 1.1319



49.9881, 40.1397, 5.1131

Inverse Universe

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



15.3617, 16.2791, 20.7450



25.7752, 27.3488, 36.3132



14.7065, 14.8269, 20.4992



3.9284, 4.1552, 5.0382



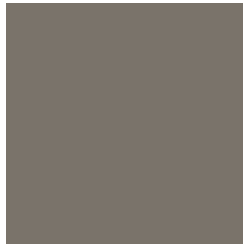
5.0478, 4.1780, 19.9257



23.2616, 18.2957, 94.7752

Previews

White Background



This preview shows how the XYZ color 16.7583, 17.4397, 16.1186 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 16.7583, 17.4397, 16.1186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

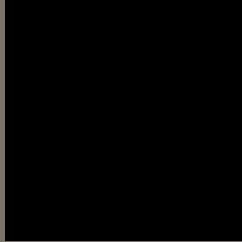
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7583, 17.4397, 16.1186

Background



This preview shows how black text looks on a background with the XYZ color 16.7583, 17.4397, 16.1186.

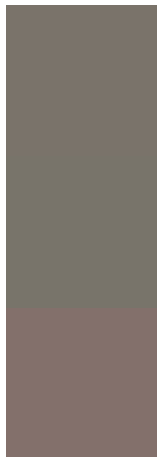


This preview shows how white text looks on a background with the XYZ color 16.7583, 17.4397,

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

16.7583, 17.4397, 16.1186

Protanopia

16.5926, 17.5245, 16.1437

Deuteranopia

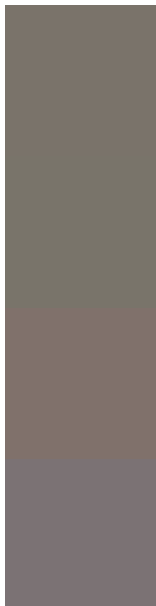
17.8081, 17.4752, 16.3444



Tritanopia

17.7302, 17.5005, 20.8558

Trichromacy



Original Color

16.7583, 17.4397, 16.1186

Protanomaly

16.7321, 17.5963, 16.1502

Deuteranomaly

17.4611, 17.4610, 16.3599

Tritanomaly

17.3381, 17.5065, 18.9883

Monochromacy



Original Color

16.7583, 17.4397, 16.1186

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6412, 17.5122, 17.8323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7583, 17.4397, 16.1186 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, 115, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 115, 106)  
}
```

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, 115, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 115, 106) }
```

Border

The CSS property to change the border of an element to XYZ 16.7583, 17.4397, 16.1186 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, 115, 106) }
```


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

```
.border{ border-color:rgb(122, 115, 106) }
```

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

Here you see how a box with a 4 pixel rgb(122, 115, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 115, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 115, 106);  
box-shadow:4px 4px 4px 4px rgb(122, 115,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7583, 17.4397, 16.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 115, 106) }
```

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

```
.background{ background-color: rgb(122,  
115, 106) }
```

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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