

Converting Colors

XYZ(16.9996, 17.4834, 17.2762)

Have a look what the booklet for
XYZ(16.9996, 17.4834, 17.2762)
contains.

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Color

**XYZ(16.9712, 17.5248,
17.2400)**

Conversions

Conversions Part 1

Format	Color
Hex	7A736E
RGB	122, 115, 110
RGB Percent	48%, 45%, 43%
CMY	0.5216, 0.5490, 0.5686
CMYK	0.00, 0.06, 0.10, 0.52
HSL	25°, 5%, 45%
HSV	25°, 10%, 48%
XYZ	16.9712, 17.5248, 17.2400
YIQ	116.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

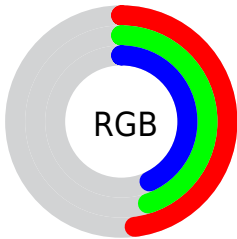
Format	Color
R_{YB}	122, 119, 110
Decimal	8024942
CIE Lab	48.91, 1.75, 3.72
CIE LCh	49, 4.114, 64.830
Yxy	17.5248, 0.3280, 0.3387
Android (android.graphics.Color)	4286215022 (0xFF7A736E)
YUV	116.5230, -3.2158, 4.8033
Hunter-Lab	41.8626, -0.8953, 4.8868

Details

The XYZ color **16.9712, 17.5248, 17.2400** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3045, 17.4423, 20.9198**, and the grayscale version is **16.7699, 17.6432, 19.2135**.

A 20% lighter version of the original color is **37.7959, 39.2447, 39.7654**, and **5.6520, 5.7897, 5.5222** is the 20% darker color. If you saturate the color by 10%, you get **15.5721, 15.7174, 13.7191**, and if you desaturate by 10%, it is **18.5253, 19.4956, 21.2643**.

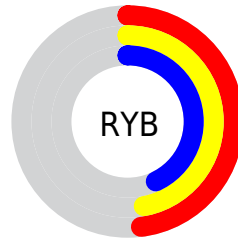
Distribution



Red (48%)

Green (45%)

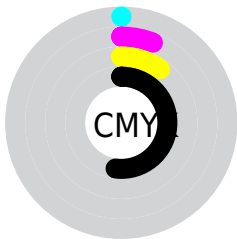
Blue (43%)



Red (48%)

Yellow (47%)

Blue (43%)

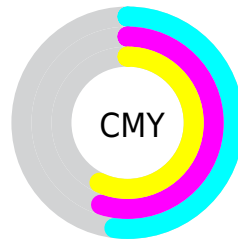


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (52%)



Cyan (52%)

Magenta (55%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9712, 17.5248, 17.2400 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 16.9712, 17.5248, 17.2400 by changing the saturation by 10% instead.

■ 16.9712, 17.5248,
17.2400

■ 16.9712, 17.5248,
17.2400

228.1658,
238.1788, 248.6423

■ 10.3091, 10.6094,
10.2420

■ 37.8202, 39.2259,
39.5342

■ 5.6682, 5.8048,
5.4520

■ 52.7379, 54.7804,
55.6676

■ 2.6831, 2.7268,
2.4515

■ 71.1382, 73.9833,
75.6831

■ 0.9885, 0.9908,
0.8143

■ 93.3864, 97.2191,
99.9993

■ 0.0000, 0.0000,
0.0000

119.8479,
124.8721, 129.0348

150.8881,

157.3268, 163.2081

186.8723,
194.9676, 202.9377

■ 16.9712, 17.5248,
17.2400

■ 16.9712, 17.5248,
17.2400

■ 15.5721, 15.7174,
13.7191

■ 18.5253, 19.4956,
21.2643

■ 14.3216, 14.0667,
10.6803

■ 20.2380, 21.6316,
25.8098

■ 13.2146, 12.5691,
8.1028

■ 22.1142, 23.9375,
30.8947

■ 12.2454, 11.2198,
5.9635

■ 24.1585, 26.4172,
36.5362

■ 11.4077, 10.0138,
4.2374

■ 26.3751, 29.0743,
42.7504

■ 10.6948, 8.9458,
2.8969

■ 28.7681, 31.9124,
49.5530

■ 10.0993, 8.0101,
1.9111

■ 31.3414, 34.9350,
56.9591

■ 9.6125, 7.2002,
1.2440

■ 34.0989, 38.1455,
64.9831

■ 9.2099, 6.5035,
0.7756

■ 37.0444, 41.5471,
73.6391

Harmonies

Analogous

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



17.2671, 17.5248, 17.9049



16.9712, 17.5248, 17.2400



16.5950, 17.5248, 17.0609

Triad

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



16.9712, 17.5248, 17.2400



15.9354, 17.5248, 19.2592



17.0799, 17.5248, 20.8612

Complementary

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



16.9712, 17.5248, 17.2400



16.3045, 17.4423, 20.9198

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.



16.7187, 17.5248, 21.2557



16.9712, 17.5248, 17.2400



16.0610, 17.5248, 20.3086

Square

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



16.9712, 17.5248, 17.2400



16.0007, 17.5248, 18.2006



16.3463, 17.5248, 21.0497



17.3306, 17.5248, 19.9904

Rectangle

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



16.9712, 17.5248, 17.2400



16.3502, 17.5248, 17.2351



16.3463, 17.5248, 21.0497



16.9672, 17.5248, 21.0554

Sweetspot

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



16.9717, 17.5256, 17.2404



31.6766, 33.1451, 35.0199



16.8130, 16.5740, 19.1428



7.1975, 7.5213, 7.8895



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.



16.9717, 17.5256, 17.2404



29.2292, 30.0260, 28.7302



17.6780, 18.9382, 17.4758



4.1228, 4.2641, 4.2303



9.6821, 6.8200, 0.8061



45.3839, 30.9313, 3.5783

Inverse Universe

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



16.3045, 17.4423, 20.9198



27.7859, 29.8458, 36.6892



15.6279, 16.0893, 20.6943



3.9736, 4.2455, 5.0532



6.0720, 6.2264, 20.2671



28.1088, 27.9902, 96.3909

Previews

White Background



This preview shows how the XYZ color 16.9712, 17.5248, 17.2400 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 16.9712, 17.5248, 17.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

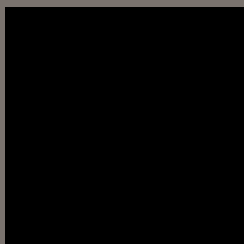
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

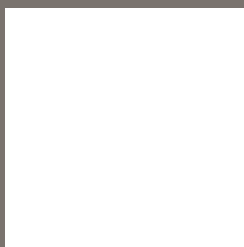
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9712, 17.5248, 17.2400

Background



This preview shows how black text looks on a background with the XYZ color 16.9712, 17.5248, 17.2400.



This preview shows how white text looks on a background with the XYZ color 16.9712, 17.5248,

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

16.9712, 17.5248, 17.2400

Protanopia

16.8056, 17.6096, 17.2651

Deuteranopia

17.8693, 17.4819, 17.4714



Tritanopia

17.7302, 17.5005, 20.8558

Trichromacy



Original Color

16.9712, 17.5248, 17.2400

Protanomaly

16.9450, 17.6815, 17.2716

Deuteranomaly

17.5268, 17.4700, 17.4872

Tritanomaly

17.4557, 17.5536, 19.6077

Monochromacy



Original Color

16.9712, 17.5248, 17.2400

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8904, 17.6276, 18.4318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9712, 17.5248, 17.2400 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(122, 115, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 115, 110) }
```

Border

The CSS property to change the border of an element to XYZ 16.9712, 17.5248, 17.2400 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, 110) }
```


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

```
.border{ border-color:rgb(122, 115, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 115, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 115, 110);  
box-shadow:4px 4px 4px 4px rgb(122, 115,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9712, 17.5248, 17.2400 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, 110) }
```

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

```
.background{ background-color: rgb(122,  
115, 110) }
```

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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