

Converting Colors

XYZ(16.0311, 17.2610, 16.4919)

Have a look what the booklet for
XYZ(16.0311, 17.2610, 16.4919)
contains.

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Color

**XYZ(15.9695, 17.1972,
16.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	73746B
RGB	115, 116, 107
RGB Percent	45%, 45%, 42%
CMY	0.5490, 0.5451, 0.5804
CMYK	0.01, 0.00, 0.08, 0.55
HSL	67°, 4%, 44%
HSV	67°, 8%, 45%
XYZ	15.9695, 17.1972, 16.3876
YIQ	114.6750, 2.2930, -3.0110

Conversions

Conversions Part 2

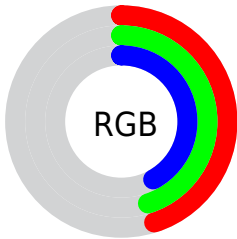
Format	Color
R_{YB}	107, 116, 108
Decimal	7566443
CIE _{Lab}	48.51, -2.15, 4.83
CIE _{LCh}	49, 5.290, 113.957
Yxy	17.1972, 0.3223, 0.3470
Android (android.graphics.Color)	4285756523 (0xFF73746B)
YUV	114.6750, -3.7838, 0.2850
Hunter-Lab	41.4695, -3.8330, 5.5989

Details

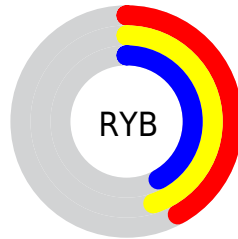
The XYZ color **15.9695, 17.1972, 16.3876** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5951, 14.9649, 18.6432**, and the grayscale version is **16.2084, 17.0525, 18.5701**.

A 20% lighter version of the original color is **36.1105, 38.6894, 37.9123**, and **5.1975, 5.6538, 5.0923** is the 20% darker color. If you saturate the color by 10%, you get **15.2312, 16.8830, 13.3781**, and if you desaturate by 10%, it is **16.7930, 17.5469, 19.8292**.

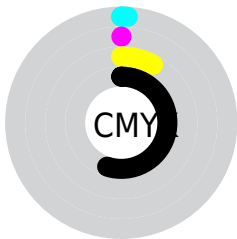
Distribution



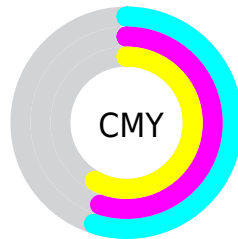
- Red (45%)
- Green (45%)
- Blue (42%)



- Red (42%)
- Yellow (45%)
- Blue (42%)



- Cyan (1%)
- Magenta (0%)
- Yellow (8%)
- Black (55%)



- Cyan (55%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9695, 17.1972, 16.3876 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 15.9695, 17.1972, 16.3876 by changing the saturation by 10% instead.

■ 15.9695, 17.1972,
16.3876

■ 15.9695, 17.1972,
16.3876

222.4356,
236.3062, 243.5414

■ 9.5933, 10.3752,
9.6415

■ 36.1031, 38.6645,
38.0459

■ 5.1903, 5.6484,
5.0595

■ 50.5912, 54.0786,
53.7952

■ 2.3953, 2.6325,
2.2228

■ 68.5140, 73.1255,
73.3827

■ 0.8427, 0.9430,
0.6875

■ 90.2369, 96.1897,
97.2269

■ 0.0000, 0.0000,
0.0000

116.1251,
123.6554, 125.7463

146.5440,

155.9072, 159.3595

181.8591,
193.3293, 198.4850

■ 15.9695, 17.1972,
16.3876

■ 15.9695, 17.1972,
16.3876

■ 15.2312, 16.8830,
13.3781

■ 16.7930, 17.5469,
19.8292

■ 14.5735, 16.6007,
10.7827

■ 17.7034, 17.9311,
23.7180

■ 13.9934, 16.3497,
8.5834

■ 18.7040, 18.3517,
28.0696

■ 13.4871, 16.1285,
6.7608

■ 19.7977, 18.8097,
32.8986

■ 13.0507, 15.9355,
5.2937

■ 20.9871, 19.3064,
38.2188

■ 12.6797, 15.7690,
4.1587

■ 22.2747, 19.8426,
44.0436

■ 12.3690, 15.6269,
3.3299

■ 23.6630, 20.4193,
50.3859

■ 12.1132, 15.5070,
2.7773

■ 25.1543, 21.0375,
57.2580

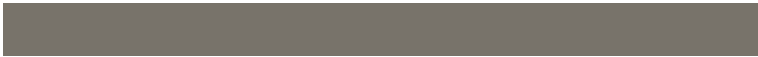
■ 11.8968, 15.4031,
2.4207

■ 26.7509, 21.6982,
64.6719

Harmonies

Analogous

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



16.4438, 17.1972, 16.1914



15.9695, 17.1972, 16.3876



15.6026, 17.1972, 17.1962

Triad

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



15.9695, 17.1972, 16.3876



15.8026, 17.1972, 20.9695



17.2909, 17.1972, 19.0075

Complementary

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



15.9695, 17.1972, 16.3876



14.5951, 14.9649, 18.6432

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.



17.1115, 17.1972, 20.3414



15.9695, 17.1972, 16.3876



16.2474, 17.1972, 21.5097

Square

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



15.9695, 17.1972, 16.3876



15.5075, 17.1972, 19.8309



16.7272, 17.1972, 21.2743



17.2130, 17.1972, 17.6607

Rectangle

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



15.9695, 17.1972, 16.3876



15.4651, 17.1972, 17.9961



16.7272, 17.1972, 21.2743



17.2586, 17.1972, 19.4730

Sweetspot

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



15.9700, 17.1979, 16.3880



28.8783, 30.5720, 32.1645



15.2089, 15.4790, 16.0963



6.8947, 7.2957, 7.6960



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.9700, 17.1979, 16.3880



27.8711, 30.1443, 27.9824



15.4052, 16.9068, 16.3615



3.9285, 4.2466, 3.9549



13.2874, 17.2543, 2.6301



64.3022, 83.8507, 12.7957

Inverse Universe

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



14.5951, 14.9649, 18.6432



25.0245, 25.5211, 32.6516



15.1437, 15.2478, 18.6689



3.5350, 3.6076, 4.6003



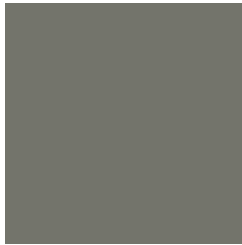
3.7131, 1.5055, 18.6375



17.7137, 7.1403, 90.8049

Previews

White Background



This preview shows how the XYZ color 15.9695, 17.1972, 16.3876 looks on a white background.

Color Contrast Check

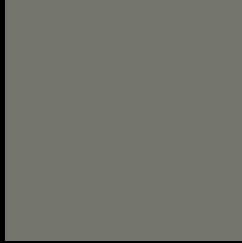
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9695, 17.1972, 16.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

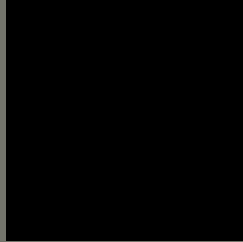
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9695, 17.1972, 16.3876

Background



This preview shows how black text looks on a background with the XYZ color 15.9695, 17.1972, 16.3876.

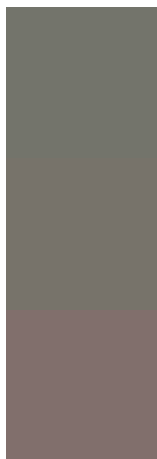


This preview shows how white text looks on a background with the XYZ color 15.9695, 17.1972,

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

15.9695, 17.1972, 16.3876

Protanopia

16.3400, 17.2240, 16.0990

Deuteranopia

17.4445, 17.1187, 16.5722



Tritanopia

16.9286, 17.2466, 21.1756

Trichromacy



Original Color

15.9695, 17.1972, 16.3876

Protanomaly

16.2035, 17.1536, 16.0926

Deuteranomaly

16.9241, 17.1781, 16.6111

Tritanomaly

16.5441, 17.2588, 19.2889

Monochromacy



Original Color

15.9695, 17.1972, 16.3876

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1256, 17.0762, 17.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9695, 17.1972, 16.3876 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(115, 116, 107)` looks like.

```
.text, #text, p{  
    color:rgb(115, 116, 107)  
}
```

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(115, 116, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 116, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.9695, 17.1972, 16.3876 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(115, 116, 107) }
```


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

```
.border{ border-color:rgb(115, 116, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 116, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 116, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 116, 107);  
box-shadow:4px 4px 4px 4px rgb(115, 116,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9695, 17.1972, 16.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 116, 107) }
```

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

```
.background{ background-color: rgb(115,  
116, 107) }
```

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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