

Converting Colors

XYZ(15.6876, 17.6620, 12.4798)

Have a look what the booklet for
XYZ(15.6876, 17.6620, 12.4798)
contains.

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Color

**XYZ(15.6876, 17.6620,
12.4798)**

Conversions

Conversions Part 1

Format	Color
Hex	74775B
RGB	116, 119, 91
RGB Percent	45%, 47%, 36%
CMY	0.5451, 0.5333, 0.6431
CMYK	0.03, 0.00, 0.24, 0.53
HSL	66°, 13%, 41%
HSV	66°, 24%, 47%
XYZ	15.6876, 17.6620, 12.4798
YIQ	114.9110, 7.2000, -9.3440

Conversions

Conversions Part 2

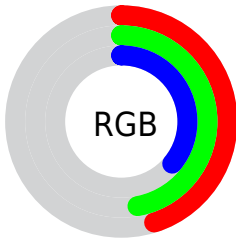
Format	Color
RYB	91, 119, 94
Decimal	7632731
CIELab	49.08, -6.26, 15.06
CIElCh	49, 16.313, 112.581
Yxy	17.6620, 0.3423, 0.3854
Android (android.graphics.Color)	4285822811 (0xFF74775B)
YUV	114.9110, -11.7881, 0.9551
Hunter-Lab	42.0262, -6.9151, 11.8120

Details

The XYZ color **15.6876, 17.6620, 12.4798** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.6877, 11.1942, 18.9985**, and the grayscale version is **16.3022, 17.1511, 18.6776**.

A 20% lighter version of the original color is **35.5191, 39.3737, 30.9271**, and **5.0416, 5.8892, 3.3536** is the 20% darker color. If you saturate the color by 10%, you get **15.0461, 17.3865, 9.9793**, and if you desaturate by 10%, it is **16.4138, 17.9728, 15.4100**.

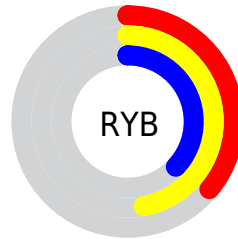
Distribution



Red (45%)

Green (47%)

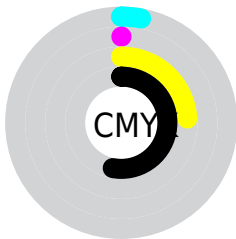
Blue (36%)



Red (36%)

Yellow (47%)

Blue (37%)

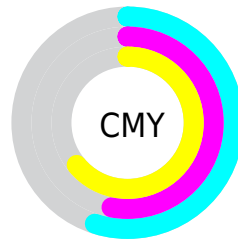


Cyan (3%)

Magenta (0%)

Yellow (24%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6876, 17.6620, 12.4798 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 15.6876, 17.6620, 12.4798 by changing the saturation by 10% instead.

■ 15.6876, 17.6620,
12.4798

■ 15.6876, 17.6620,
12.4798

220.7980,
238.9589, 218.6458

■ 9.3928, 10.7076,
6.9448

■ 35.6169, 39.4605,
31.0434

■ 5.0574, 5.8706,
3.3497

■ 49.9820, 55.0735,
44.9090

■ 2.3161, 2.7665,
1.2758

■ 67.7680, 74.3413,
62.3887

■ 0.8029, 1.0111,
0.0419

■ 89.3402, 97.6486,
83.9009

■ 0.0000, 0.0000,
0.0000

115.0640,
125.3795, 109.8642

145.3046,

157.9187, 140.6970

180.4275,
195.6503, 176.8181

■ 15.6876, 17.6620,
12.4798

■ 15.6876, 17.6620,
12.4798

■ 15.0461, 17.3865,
9.9793

■ 16.4138, 17.9728,
15.4100

■ 14.4841, 17.1426,
7.8872

■ 17.2268, 18.3180,
18.7877

■ 13.9979, 16.9291,
6.1821

■ 18.1306, 18.6998,
22.6308

■ 13.5830, 16.7445,
4.8403

■ 19.1283, 19.1194,
26.9563

■ 13.2343, 16.5866,
3.8351

■ 20.2230, 19.5781,
31.7799

■ 12.9460, 16.4532,
3.1367

■ 21.4175, 20.0770,
37.1170

■ 12.7108, 16.3412,
2.7053

■ 22.7146, 20.6173,
42.9819

■ 12.5697, 16.2734,
2.4786

■ 24.1170, 21.1999,
49.3888

■ 25.6273, 21.8259,
56.3511

Harmonies

Analogous

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



17.1682, 17.6620, 12.0554



15.6876, 17.6620, 12.4798



14.5671, 17.6620, 14.5715

Triad

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



15.6876, 17.6620, 12.4798



15.0699, 17.6620, 26.6907



19.8619, 17.6620, 20.3343

Complementary

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



15.6876, 17.6620, 12.4798



11.6877, 11.1942, 18.9985

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.



19.2221, 17.6620, 24.7907



15.6876, 17.6620, 12.4798



16.4119, 17.6620, 28.8043

Square

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



15.6876, 17.6620, 12.4798



14.2258, 17.6620, 22.6346



17.9370, 17.6620, 28.0610



19.6390, 17.6620, 16.1868

Rectangle

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



15.6876, 17.6620, 12.4798



14.1451, 17.6620, 16.8279



17.9370, 17.6620, 28.0610



19.7393, 17.6620, 21.8525

Sweetspot

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



15.6881, 17.6628, 12.4802



30.2972, 32.5677, 31.3408



13.4816, 12.6476, 11.6284



7.1656, 7.7120, 7.3667



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.



15.6881, 17.6628, 12.4802



27.4776, 31.3637, 19.9336



13.9880, 16.7864, 12.4006



3.9298, 4.2473, 3.9550



13.3491, 17.2861, 2.6330



64.6166, 84.0128, 12.8104

Inverse Universe

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



11.6877, 11.1942, 18.9985



19.0479, 17.7314, 33.6716



13.2315, 11.9901, 19.0707



3.5337, 3.6069, 4.6002



3.7055, 1.5016, 18.6371



17.6864, 7.1262, 90.8036

Previews

White Background



This preview shows how the XYZ color 15.6876, 17.6620, 12.4798 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 15.6876, 17.6620, 12.4798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

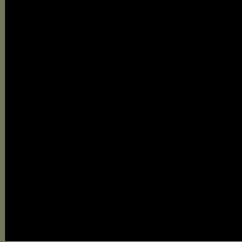
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6876, 17.6620, 12.4798

Background



This preview shows how black text looks on a background with the XYZ color 15.6876, 17.6620, 12.4798.



This preview shows how white text looks on a background with the XYZ color 15.6876, 17.6620,

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

15.6876, 17.6620, 12.4798

Protanopia

16.4030, 17.5141, 12.1889

Deuteranopia

17.8793, 17.5953, 12.5791



Tritanopia

17.5146, 17.7098, 21.5640

Trichromacy



Original Color

15.6876, 17.6620, 12.4798

Protanomaly

16.0919, 17.5257, 12.2075

Deuteranomaly

17.1158, 17.7013, 12.6398

Tritanomaly

16.7778, 17.5826, 17.8387

Monochromacy



Original Color

15.6876, 17.6620, 12.4798

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.9171, 17.1762, 16.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6876, 17.6620, 12.4798 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(116, 119, 91)` looks like.

```
.text, #text, p{  
    color:rgb(116, 119, 91)  
}
```

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(116, 119, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 119, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.6876, 17.6620, 12.4798 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(116, 119, 91) }
```


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

```
.border{ border-color:rgb(116, 119, 91) }
```

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

Here you see how a box with a 4 pixel rgb(116, 119, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 119, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 119, 91);  
box-shadow:4px 4px 4px 4px rgb(116, 119,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6876, 17.6620, 12.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 119, 91) }
```

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

```
.background{ background-color: rgb(116,  
119, 91) }
```

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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