

Converting Colors

XYZ(16.9772, 18.3847, 17.9830)

Have a look what the booklet for
XYZ(16.9772, 18.3847, 17.9830)
contains.

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Color

**XYZ(16.9772, 18.3847,
17.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	757870
RGB	117, 120, 112
RGB Percent	46%, 47%, 44%
CMY	0.5412, 0.5294, 0.5608
CMYK	0.03, 0.00, 0.07, 0.53
HSL	83°, 3%, 45%
HSV	83°, 7%, 47%
XYZ	16.9772, 18.3847, 17.9830
YIQ	118.1910, 0.7800, -3.1240

Conversions

Conversions Part 2

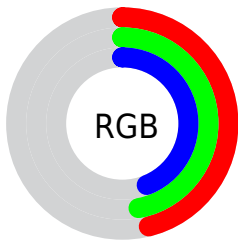
Format	Color
R_{YB}	112, 120, 115
Decimal	7698544
CIE Lab	49.96, -2.72, 3.99
CIE LCh	50, 4.831, 124.279
Yxy	18.3847, 0.3183, 0.3446
Android (android.graphics.Color)	4285888624 (0xFF757870)
YUV	118.1910, -3.0522, -1.0445
Hunter-Lab	42.8774, -4.3588, 5.1476

Details

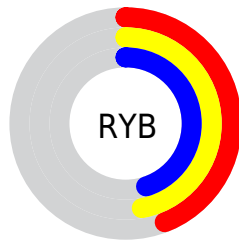
The XYZ color **16.9772, 18.3847, 17.9830** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2553, 16.5897, 20.1157**, and the grayscale version is **17.2893, 18.1896, 19.8085**.

A 20% lighter version of the original color is **37.8155, 40.6204, 40.9694**, and **5.6970, 6.2701, 5.7605** is the 20% darker color. If you saturate the color by 10%, you get **15.7628, 17.8313, 14.6677**, and if you desaturate by 10%, it is **18.3109, 18.9903, 21.7696**.

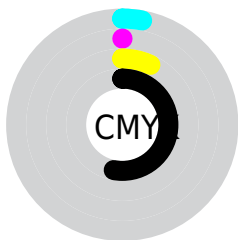
Distribution



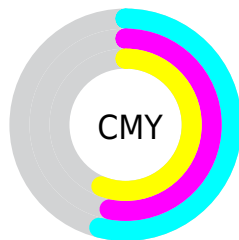
- Red (46%)
- Green (47%)
- Blue (44%)



- Red (44%)
- Yellow (47%)
- Blue (45%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9772, 18.3847, 17.9830 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 16.9772, 18.3847, 17.9830 by changing the saturation by 10% instead.

■ 16.9772, 18.3847,
17.9830

■ 16.9772, 18.3847,
17.9830

228.1998,
243.0306, 253.0081

■ 10.3134, 11.2265,
10.7685

■ 37.8305, 40.6918,
40.8219

■ 5.6711, 6.2194,
5.7992

■ 52.7507, 56.6094,
57.2834

■ 2.6849, 2.9790,
2.6565

■ 71.1538, 76.2158,
77.6642

■ 0.9894, 1.1208,
0.9214

■ 93.4051, 99.8951,
102.3830

■ 0.0000, 0.0000,
0.0000

119.8700,
128.0318, 131.8582

150.9139,

161.0104, 166.5084

186.9020,
199.2152, 206.7522

■ 16.9772, 18.3847,
17.9830

■ 16.9772, 18.3847,
17.9830

■ 15.7628, 17.8313,
14.6677

■ 18.3109, 18.9903,
21.7696

■ 14.6621, 17.3261,
11.8041

■ 19.7659, 19.6473,
26.0436

■ 13.6716, 16.8683,
9.3728

■ 21.3464, 20.3580,
30.8221

■ 12.7868, 16.4559,
7.3528

■ 23.0556, 21.1236,
36.1207

■ 12.0029, 16.0872,
5.7212

■ 24.8968, 21.9456,
41.9546

■ 11.3148, 15.7598,
4.4530

■ 26.8732, 22.8252,
48.3382

■ 10.7167, 15.4715,
3.5200

■ 28.9877, 23.7637,
55.2853

■ 10.2020, 15.2195,
2.8901

■ 31.2432, 24.7623,
62.8095

■ 9.7573, 14.9986,
2.4956

■ 33.6426, 25.8221,
70.9236

Harmonies

Analogous

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



17.4077, 18.3847, 17.5801



16.9772, 18.3847, 17.9830



16.6838, 18.3847, 18.9310

Triad

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



16.9772, 18.3847, 17.9830



17.0904, 18.3847, 22.4052



18.3775, 18.3847, 19.8281

Complementary

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



16.9772, 18.3847, 17.9830



16.2553, 16.5897, 20.1157

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.



18.2889, 18.3847, 21.1455



16.9772, 18.3847, 17.9830



17.5407, 18.3847, 22.6710

Square

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



16.9772, 18.3847, 17.9830



16.7484, 18.3847, 21.4893



17.9806, 18.3847, 22.2006



18.2205, 18.3847, 18.6151

Rectangle

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



16.9772, 18.3847, 17.9830



16.6027, 18.3847, 19.7646



17.9806, 18.3847, 22.2006



18.3755, 18.3847, 20.2732

Sweetspot

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



16.9777, 18.3855, 17.9834



30.9160, 32.8152, 34.5992



16.7941, 17.4098, 17.8047



7.3352, 7.7807, 8.2235



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.



16.9777, 18.3855, 17.9834



29.5195, 32.1805, 30.6843



16.4603, 18.1188, 17.9592



4.1689, 4.5624, 4.2854



10.4748, 16.2772, 2.5897



48.9993, 77.1455, 12.3080

Inverse Universe

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



16.2553, 16.5897, 20.1157



27.9732, 28.3368, 35.2483



16.7836, 16.8621, 20.1404



3.9266, 3.9600, 5.0006



4.8653, 2.0809, 19.5305



22.3324, 9.4748, 93.1216

Previews

White Background



This preview shows how the XYZ color 16.9772, 18.3847, 17.9830 looks on a white 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

Black Background



This preview shows how the XYZ color 16.9772, 18.3847, 17.9830 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

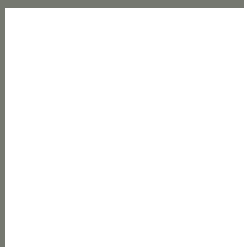
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9772, 18.3847, 17.9830

Background



This preview shows how black text looks on a background with the XYZ color 16.9772, 18.3847, 17.9830.



This preview shows how white text looks on a background with the XYZ color 16.9772, 18.3847,

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

16.9772, 18.3847, 17.9830

Protanopia

17.5161, 18.3155, 17.6510

Deuteranopia

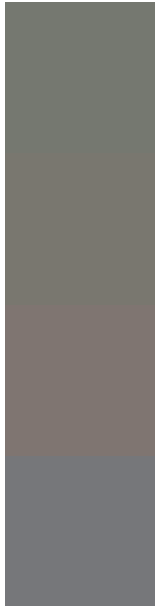
18.6271, 18.3593, 18.1847



Tritanopia

17.9169, 18.4111, 22.6880

Trichromacy



Original Color

16.9772, 18.3847, 17.9830

Protanomaly

17.3512, 18.4063, 17.6772

Deuteranomaly

18.0943, 18.4269, 18.2259

Tritanomaly

17.5809, 18.4503, 21.0470

Monochromacy



Original Color

16.9772, 18.3847, 17.9830

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2204, 18.3062, 19.1488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9772, 18.3847, 17.9830 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(117, 120, 112) looks like.

```
.text, #text, p{  
    color:rgb(117, 120, 112)  
}
```

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(117, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 120, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.9772, 18.3847, 17.9830 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(117, 120, 112) }
```


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

```
.border{ border-color:rgb(117, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(117, 120,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9772, 18.3847, 17.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 120, 112) }
```

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

```
.background{ background-color: rgb(117,  
120, 112) }
```

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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