

Converting Colors

XYZ(16.3668, 18.0787, 18.0149)

Have a look what the booklet for
XYZ(16.3668, 18.0787, 18.0149)
contains.

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Color

**XYZ(16.3232, 18.0475,
17.9524)**

Conversions

Conversions Part 1

Format	Color
Hex	707870
RGB	112, 120, 112
RGB Percent	44%, 47%, 44%
CMY	0.5608, 0.5294, 0.5608
CMYK	0.07, 0.00, 0.07, 0.53
HSL	120°, 3%, 45%
HSV	120°, 7%, 47%
XYZ	16.3232, 18.0475, 17.9524
YIQ	116.6960, -2.2000, -4.1840

Conversions

Conversions Part 2

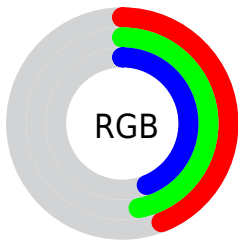
Format	Color
R_{YB}	112, 120, 120
Decimal	7370864
CIE Lab	49.55, -4.64, 3.35
CIE LCh	50, 5.722, 144.107
Yxy	18.0475, 0.3120, 0.3449
Android (android.graphics.Color)	4285560944 (0xFF707870)
YUV	116.6960, -2.3151, -4.1184
Hunter-Lab	42.4823, -5.7582, 4.6826

Details

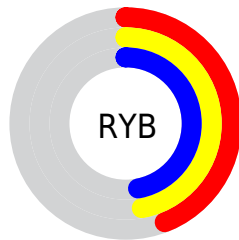
The XYZ color **16.3232, 18.0475, 17.9524** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9307, 16.9379, 20.1472**, and the grayscale version is **16.8223, 17.6984, 19.2736**.

A 20% lighter version of the original color is **36.7632, 40.0779, 40.9201**, and **5.3571, 6.0949, 5.7446** is the 20% darker color. If you saturate the color by 10%, you get **14.2727, 17.0631, 14.5980**, and if you desaturate by 10%, it is **18.6673, 19.1740, 21.7862**.

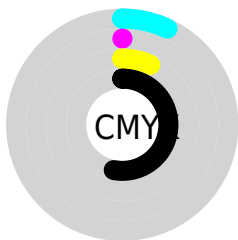
Distribution



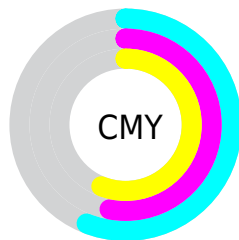
- Red (44%)
- Green (47%)
- Blue (44%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3232, 18.0475, 17.9524 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 16.3232, 18.0475, 17.9524 by changing the saturation by 10% instead.

■ 16.3232, 18.0475,
17.9524

■ 16.3232, 18.0475,
17.9524

224.4745,
241.1386, 252.8297

■ 9.8454, 10.9841,
10.7467

■ 36.7113, 40.1182,
40.7690

■ 5.3581, 6.0561,
5.7848

■ 51.3524, 55.8944,
57.2171

■ 2.4958, 2.8792,
2.6480

■ 69.4453, 75.3435,
77.5830

■ 0.8931, 1.0690,
0.9171

■ 91.3554, 98.8501,
102.2854

■ 0.0000, 0.0000,
0.0000

117.4480,
126.7985, 131.7427

148.0884,

159.5732, 166.3735

183.6421,
197.5584, 206.5963

■ 16.3232, 18.0475,
17.9524

■ 16.3232, 18.0475,
17.9524

■ 14.2727, 17.0631,
14.5980

■ 18.6673, 19.1740,
21.7862

■ 12.5029, 16.2129,
11.7030

■ 21.3143, 20.4455,
26.1161

■ 11.0019, 15.4919,
9.2479

■ 24.2751, 21.8677,
30.9591

■ 9.7567, 14.8938,
7.2110

■ 27.5595, 23.4454,
36.3315

■ 8.7529, 14.4116,
5.5692

■ 31.1768, 25.1829,
42.2484

■ 7.9749, 14.0379,
4.2967

■ 35.1360, 27.0848,
48.7248

■ 7.4053, 13.7643,
3.3650

■ 39.4459, 29.1550,
55.7746

■ 7.0240, 13.5812,
2.7414

■ 44.1148, 31.3977,
63.4117

■ 6.7888, 13.4682,
2.3566

■ 49.1507, 33.8167,
71.6492

Harmonies

Analogous

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



16.7315, 18.0475, 17.0505



16.3232, 18.0475, 17.9524



16.1378, 18.0475, 19.3458

Triad

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



16.3232, 18.0475, 17.9524



17.0468, 18.0475, 22.7713



18.1225, 18.0475, 18.4568

Complementary

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



16.3232, 18.0475, 17.9524



16.9307, 16.9379, 20.1472

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.



18.2112, 18.0475, 19.9587



16.3232, 18.0475, 17.9524



17.5828, 18.0475, 22.5026

Square

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



16.3232, 18.0475, 17.9524



16.5499, 18.0475, 22.1688



18.0117, 18.0475, 21.4528



17.7718, 18.0475, 17.3308

Rectangle

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



16.3232, 18.0475, 17.9524



16.1627, 18.0475, 20.3870



18.0117, 18.0475, 21.4528



18.1842, 18.0475, 18.9322

Sweetspot

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



16.3237, 18.0483, 17.9528



30.5479, 32.6254, 34.5819



17.3715, 18.5647, 17.9972



7.2543, 7.7390, 8.2197



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.



16.3237, 18.0483, 17.9528



28.1252, 31.4617, 30.6191



16.5437, 18.1363, 19.1116



3.9509, 4.4500, 4.2752



7.3273, 14.6546, 2.4424



34.9520, 69.9038, 11.6506

Inverse Universe

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



16.9307, 16.9379, 20.1472



29.4244, 29.0849, 35.3162



16.7006, 16.8459, 18.9356



4.1545, 4.0775, 5.0113



12.1480, 5.8353, 19.8713



57.9472, 27.8349, 94.7883

Previews

White Background



This preview shows how the XYZ color 16.3232, 18.0475, 17.9524 looks on a white background.

Color Contrast Check

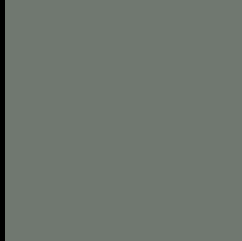
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3232, 18.0475, 17.9524 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 16.3232, 18.0475, 17.9524

Background



This preview shows how black text looks on a background with the XYZ color 16.3232, 18.0475, 17.9524.



This preview shows how white text looks on a background with the XYZ color 16.3232, 18.0475,

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

16.3232, 18.0475, 17.9524

Protanopia

17.0609, 17.9133, 17.3103

Deuteranopia

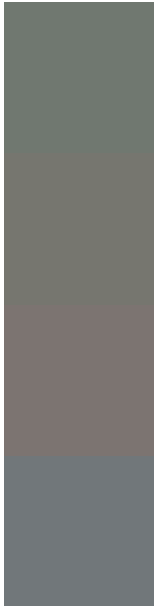
18.3580, 18.0522, 18.1396



Tritanopia

17.2486, 18.0666, 22.6568

Trichromacy



Original Color

16.3232, 18.0475, 17.9524

Protanomaly

16.8189, 17.9561, 17.6184

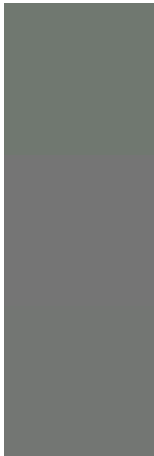
Deuteranomaly

17.5382, 17.9681, 18.1666

Tritanomaly

16.9197, 18.1095, 21.0161

Monochromacy



Original Color

16.3232, 18.0475, 17.9524

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6432, 17.8395, 18.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3232, 18.0475, 17.9524 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(112, 120, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 120, 112) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 16.3232, 18.0475, 17.9524 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(112, 120, 112) }
```


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

```
.border{ border-color:rgb(112, 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(112, 120, 112)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 16.3232, 18.0475, 17.9524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(112,  
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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