

Converting Colors

XYZ(16.8292, 18.1130, 18.0196)

Have a look what the booklet for
XYZ(16.8292, 18.1130, 18.0196)
contains.

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Color

**XYZ(16.8576, 18.1454,
17.9432)**

Conversions

Conversions Part 1

Format	Color
Hex	757770
RGB	117, 119, 112
RGB Percent	46%, 47%, 44%
CMY	0.5412, 0.5333, 0.5608
CMYK	0.02, 0.00, 0.06, 0.53
HSL	77°, 3%, 45%
HSV	77°, 6%, 47%
XYZ	16.8576, 18.1454, 17.9432
YIQ	117.6040, 1.0550, -2.6010

Conversions

Conversions Part 2

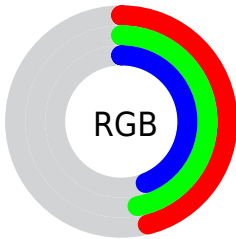
Format	Color
R_{YB}	112, 119, 114
Decimal	7698288
CIE Lab	49.67, -2.14, 3.58
CIE LCh	50, 4.171, 120.945
Yxy	18.1454, 0.3184, 0.3427
Android (android.graphics.Color)	4285888368 (0xFF757770)
YUV	117.6040, -2.7628, -0.5297
Hunter-Lab	42.5974, -3.9055, 4.8436

Details

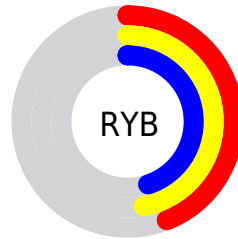
The XYZ color **16.8576, 18.1454, 17.9432** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0641, 16.4982, 19.7915**, and the grayscale version is **17.1047, 17.9955, 19.5971**.

A 20% lighter version of the original color is **37.6259, 40.2412, 40.9062**, and **5.6329, 6.1419, 5.7391** is the 20% darker color. If you saturate the color by 10%, you get **15.7896, 17.6669, 14.6600**, and if you desaturate by 10%, it is **18.0308, 18.6691, 21.6893**.

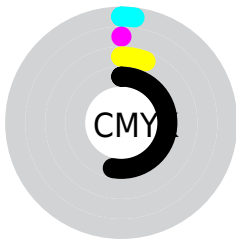
Distribution



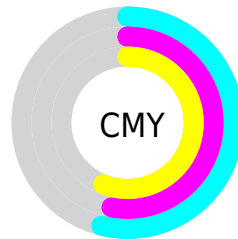
- Red (46%)
- Green (47%)
- Blue (44%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8576, 18.1454, 17.9432 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 16.8576, 18.1454, 17.9432 by changing the saturation by 10% instead.

■ 16.8576, 18.1454,
17.9432

■ 16.8576, 18.1454,
17.9432

227.5227,
241.6893, 252.7761

■ 10.2277, 11.0544,
10.7402

■ 37.6263, 40.2849,
40.7531

■ 5.6136, 6.1035,
5.7804

■ 52.4959, 56.1023,
57.1972

■ 2.6500, 2.9081,
2.6454

■ 70.8426, 75.5972,
77.5586

■ 0.9715, 1.0839,
0.9158

■ 93.0320, 99.1541,
102.2560

■ 0.0000, 0.0000,
0.0000

119.4294,
127.1574, 131.7079

150.4000,

159.9914, 166.3329

186.3093,
198.0406, 206.5494

■ 16.8576, 18.1454,
17.9432

■ 16.8576, 18.1454,
17.9432

■ 15.7896, 17.6669,
14.6600

■ 18.0308, 18.6691,
21.6893

■ 14.8218, 17.2298,
11.8206

■ 19.3112, 19.2369,
25.9140

■ 13.9507, 16.8333,
9.4062

■ 20.7024, 19.8511,
30.6339

■ 13.1725, 16.4758,
7.3963

■ 22.2075, 20.5128,
35.8645

■ 12.4826, 16.1555,
5.7685

■ 23.8295, 21.2232,
41.6202

■ 11.8762, 15.8704,
4.4987

■ 25.5712, 21.9836,
47.9154

■ 11.3480, 15.6183,
3.5595

■ 27.4354, 22.7950,
54.7635

■ 10.8920, 15.3969,
2.9199

■ 29.4247, 23.6585,
62.1776

■ 10.4967, 15.2015,
2.5216

■ 31.5417, 24.5751,
70.1704

Harmonies

Analogous

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



17.2341, 18.1454, 17.6536



16.8576, 18.1454, 17.9432



16.5888, 18.1454, 18.7158

Triad

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



16.8576, 18.1454, 17.9432



16.8791, 18.1454, 21.7280



18.0202, 18.1454, 19.7213

Complementary

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



16.8576, 18.1454, 17.9432



16.0641, 16.4982, 19.7915

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.



17.9217, 18.1454, 20.8367



16.8576, 18.1454, 17.9432



17.2592, 18.1454, 22.0217

Square

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



16.8576, 18.1454, 17.9432



16.6010, 18.1454, 20.9014



17.6417, 18.1454, 21.6896



17.9088, 18.1454, 18.6557

Rectangle

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



16.8576, 18.1454, 17.9432



16.5047, 18.1454, 19.4156



17.6417, 18.1454, 21.6896



18.0105, 18.1454, 20.1029

Sweetspot

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



16.8581, 18.1462, 17.9436



30.9691, 32.8426, 34.6016



16.5484, 17.1232, 17.7625



7.3469, 7.7867, 8.2241



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.



16.8581, 18.1462, 17.9436



29.9287, 32.3777, 31.3235



16.3988, 17.9094, 17.9221



3.9159, 4.2370, 4.0963



10.9771, 16.0632, 2.5220



52.6180, 77.8273, 12.2489

Inverse Universe

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



16.0641, 16.4982, 19.7915



28.2085, 28.8075, 35.3267



16.5258, 16.7362, 19.8131



3.6896, 3.7673, 4.6229



4.2307, 1.7723, 18.6617



19.8713, 8.2525, 90.9059

Previews

White Background



This preview shows how the XYZ color 16.8576, 18.1454, 17.9432 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 16.8576, 18.1454, 17.9432 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

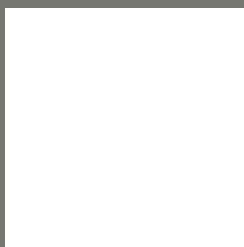
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8576, 18.1454, 17.9432

Background



This preview shows how black text looks on a background with the XYZ color 16.8576, 18.1454, 17.9432.



This preview shows how white text looks on a background with the XYZ color 16.8576, 18.1454,

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

16.8576, 18.1454, 17.9432

Protanopia

17.3737, 18.2421, 17.6443

Deuteranopia

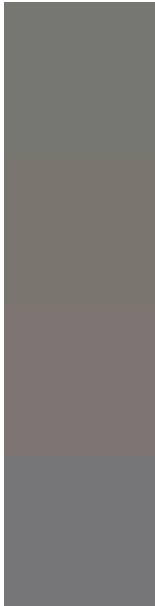
18.3580, 18.0522, 18.1396



Tritanopia

17.7349, 18.1509, 22.3074

Trichromacy



Original Color

16.8576, 18.1454, 17.9432

Protanomaly

17.0934, 18.0976, 17.6312

Deuteranomaly

17.8302, 18.1187, 18.1803

Tritanomaly

17.4008, 18.1889, 20.6828

Monochromacy



Original Color

16.8576, 18.1454, 17.9432

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1020, 18.0694, 19.1094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8576, 18.1454, 17.9432 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, 119, 112)` looks like.

```
.text, #text, p{  
    color:rgb(117, 119, 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, 119, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 119, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.8576, 18.1454, 17.9432 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, 119, 112) }
```


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

```
.border{ border-color:rgb(117, 119, 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, 119, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 119, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 119, 112);  
box-shadow:4px 4px 4px 4px rgb(117, 119,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8576, 18.1454, 17.9432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 119, 112) }
```

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

```
.background{ background-color: rgb(117,  
119, 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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