

Converting Colors

XYZ(18.1881, 17.6010, 21.0186)

Have a look what the booklet for
XYZ(18.1881, 17.6010, 21.0186)
contains.

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Color

**XYZ(18.2714, 17.6076,
21.1745)**

Conversions

Conversions Part 1

Format	Color
Hex	80707B
RGB	128, 112, 123
RGB Percent	50%, 44%, 48%
CMY	0.4980, 0.5608, 0.5176
CMYK	0.00, 0.12, 0.04, 0.50
HSL	319°, 7%, 47%
HSV	319°, 12%, 50%
XYZ	18.2714, 17.6076, 21.1745
YIQ	118.0380, 6.0050, 6.8130

Conversions

Conversions Part 2

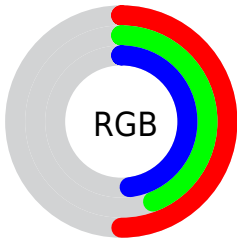
Format	Color
R_{YB}	128, 112, 123
Decimal	8417403
CIE Lab	49.02, 8.32, -3.77
CIE LCh	49, 9.140, 335.604
Yxy	17.6076, 0.3203, 0.3086
Android (android.graphics.Color)	4286607483 (0xFF80707B)
YUV	118.0380, 2.4463, 8.7367
Hunter-Lab	41.9614, 4.2924, -0.5458

Details

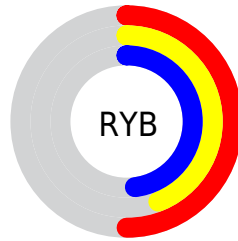
The XYZ color **18.2714, 17.6076, 21.1745** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6128, 20.1679, 19.7951**, and the grayscale version is **17.2235, 18.1204, 19.7331**.

A 20% lighter version of the original color is **40.0694, 39.4698, 46.0640**, and **6.2939, 5.8235, 7.2709** is the 20% darker color. If you saturate the color by 10%, you get **16.7131, 14.8834, 19.4448**, and if you desaturate by 10%, it is **20.0418, 20.7390, 23.0259**.

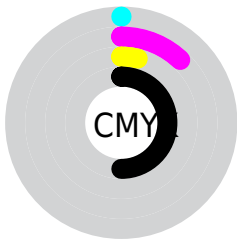
Distribution



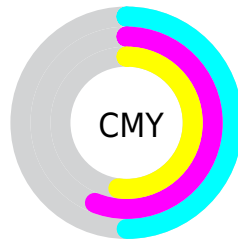
- Red (50%)
- Green (44%)
- Blue (48%)



- Red (50%)
- Yellow (44%)
- Blue (48%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2714, 17.6076, 21.1745 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 18.2714, 17.6076, 21.1745 by changing the saturation by 10% instead.

■ 18.2714, 17.6076,
21.1745

■ 18.2714, 17.6076,
21.1745

235.4125,
238.6499, 271.0159

■ 11.2459, 10.6686,
13.0591

■ 40.0257, 39.3675,
46.2623

■ 6.3010, 5.8445,
7.3381

■ 55.4852, 54.9573,
64.0719

■ 3.0713, 2.7507,
3.5928

■ 74.4868, 74.1995,
85.9499

■ 1.1916, 1.0030,
1.4047

■ 97.3957, 97.4784,
112.3149

■ 0.0997, 0.0000,
0.1454

124.5774,
125.1785, 143.5855

■ 0.0000, 0.0000,
0.0000

156.3972,

157.6842, 180.1801

193.2204,
195.3799, 222.5174

■ 18.2714, 17.6076,
21.1745

■ 18.2714, 17.6076,
21.1745

■ 16.7131, 14.8834,
19.4448

■ 20.0418, 20.7390,
23.0259

■ 15.3567, 12.5472,
17.8320

■ 22.0307, 24.2913,
25.0009

■ 14.1937, 10.5816,
16.3331

■ 24.2464, 28.2802,
27.1033

■ 13.2142, 8.9672,
14.9439

■ 26.6959, 32.7201,
29.3358

■ 12.4073, 7.6826,
13.6604

■ 29.3864, 37.6246,
31.7014

■ 11.7612, 6.7041,
12.4779

■ 32.3243, 43.0067,
34.2029

■ 11.2623, 6.0048,
11.3912

■ 35.5161, 48.8790,
36.8428

■ 10.8946, 5.5530,
10.3944

■ 38.9679, 55.2537,
39.6238

■ 10.6634, 5.2937,
9.6913

■ 42.6855, 62.1424,
42.5483

Harmonies

Analogous

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



17.7070, 17.6076, 23.2427



18.2714, 17.6076, 21.1745



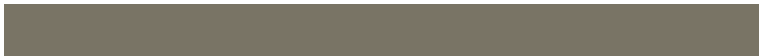
18.4185, 17.6076, 18.7174

Triad

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



18.2714, 17.6076, 21.1745



16.5761, 17.6076, 14.8732



15.4392, 17.6076, 22.0334

Complementary

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



18.2714, 17.6076, 21.1745



17.6128, 20.1679, 19.7951

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.



15.1583, 17.6076, 19.6333



18.2714, 17.6076, 21.1745



15.8002, 17.6076, 15.6062

Square

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



18.2714, 17.6076, 21.1745



17.4209, 17.6076, 15.2103



15.2882, 17.6076, 17.2993



16.0683, 17.6076, 23.7673

Rectangle

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



18.2714, 17.6076, 21.1745



18.2559, 17.6076, 17.2158



15.2882, 17.6076, 17.2993



15.3019, 17.6076, 21.2704

Sweetspot

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



18.2719, 17.6084, 21.1749



34.7641, 35.5863, 40.0062



17.0004, 16.9158, 22.7914



8.0890, 8.2426, 9.3149



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.2719, 17.6084, 21.1749



31.3516, 29.5645, 36.3926



17.8029, 17.4208, 18.7051



4.4427, 4.3902, 5.1359



10.5741, 5.2493, 9.6128



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2719, 17.6084, 21.1749



31.3516, 29.5645, 36.3926



18.0907, 20.3591, 22.3117



4.4427, 4.3902, 5.1359



10.5741, 5.2493, 9.6128



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2714, 17.6076, 21.1745 looks on a white background.

Color Contrast Check

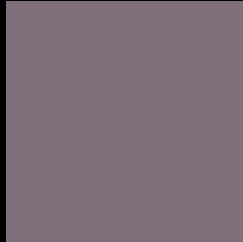
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2714, 17.6076, 21.1745 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

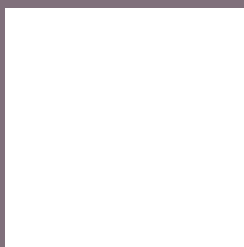
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2714, 17.6076, 21.1745

Background



This preview shows how black text looks on a background with the XYZ color 18.2714, 17.6076, 21.1745.



This preview shows how white text looks on a background with the XYZ color 18.2714, 17.6076,

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

18.2714, 17.6076, 21.1745

Protanopia

17.1495, 17.6845, 21.9116

Deuteranopia

17.9377, 17.6003, 21.1907



Tritanopia

18.1474, 17.5580, 20.5217

Trichromacy



Original Color

18.2714, 17.6076, 21.1745

Protanomaly

17.5146, 17.7098, 21.5640

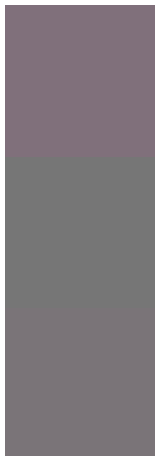
Deuteranomaly

18.0845, 17.6759, 21.1975

Tritanomaly

18.2091, 17.5827, 20.8464

Monochromacy



Original Color

18.2714, 17.6076, 21.1745

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6616, 17.9844, 20.3098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2714, 17.6076, 21.1745 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(128, 112, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 112, 123)  
}
```

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(128, 112, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 112, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.2714, 17.6076, 21.1745 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(128, 112, 123) }
```


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

```
.border{ border-color:rgb(128, 112, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 112, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 112, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 112, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 112,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2714, 17.6076, 21.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 112, 123) }
```

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

```
.background{ background-color: rgb(128,  
112, 123) }
```

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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