

Converting Colors

XYZ(18.4993, 17.5910, 18.9251)

Have a look what the booklet for
XYZ(18.4993, 17.5910, 18.9251)
contains.

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Color

**XYZ(18.5097, 17.6164,
18.9477)**

Conversions

Conversions Part 1

Format	Color
Hex	856F74
RGB	133, 111, 116
RGB Percent	52%, 44%, 45%
CMY	0.4784, 0.5647, 0.5451
CMYK	0.00, 0.17, 0.13, 0.48
HSL	346°, 9%, 48%
HSV	346°, 17%, 52%
XYZ	18.5097, 17.6164, 18.9477
YIQ	118.1480, 11.5070, 6.2190

Conversions

Conversions Part 2

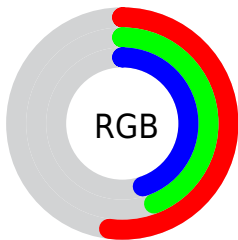
Format	Color
R_{YB}	133, 111, 116
Decimal	8744820
CIE Lab	49.03, 9.53, 0.46
CIE LCh	49, 9.537, 2.746
Yxy	17.6164, 0.3361, 0.3199
Android (android.graphics.Color)	4286934900 (0xFF856F74)
YUV	118.1480, -1.0590, 13.0252
Hunter-Lab	41.9719, 5.2681, 2.6146

Details

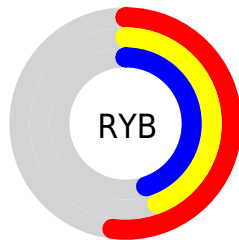
The XYZ color **18.5097, 17.6164, 18.9477** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8401, 21.7135, 23.6214**, and the grayscale version is **17.2674, 18.1666, 19.7834**.

A 20% lighter version of the original color is **40.4148, 39.4606, 42.5324**, and **6.3882, 5.8114, 6.2539** is the 20% darker color. If you saturate the color by 10%, you get **16.6000, 14.7014, 15.5228**, and if you desaturate by 10%, it is **20.7026, 20.9917, 22.7939**.

Distribution



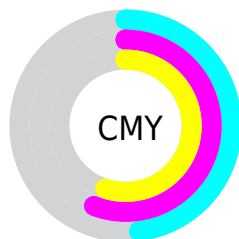
- Red (52%)
- Green (44%)
- Blue (45%)



- Red (52%)
- Yellow (44%)
- Blue (45%)



- Cyan (0%)
- Magenta (17%)
- Yellow (13%)
- Black (48%)



- Cyan (48%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5097, 17.6164, 18.9477 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 18.5097, 17.6164, 18.9477 by changing the saturation by 10% instead.

■ 18.5097, 17.6164,
18.9477

■ 18.5097, 17.6164,
18.9477

236.7189,
238.6999, 258.5730

■ 11.4184, 10.6749,
11.4561

■ 40.4273, 39.3826,
42.4812

■ 6.4184, 5.8487,
6.2565

■ 55.9843, 54.9761,
59.3602

■ 3.1442, 2.7533,
2.9303

■ 75.0939, 74.2224,
80.2054

■ 1.2305, 1.0043,
1.0592

■ 98.1215, 97.5059,
105.4353

■ 0.1302, 0.0000,
0.0000

125.4325,
125.2110, 135.4684

■ 0.0000, 0.0000,
0.0000

157.3921,

157.7222, 170.7234

194.3658,
195.4236, 211.6187

■ 18.5097, 17.6164,
18.9477

■ 18.5097, 17.6164,
18.9477

■ 16.6000, 14.7014,
15.5228

■ 20.7026, 20.9917,
22.7939

■ 14.9605, 12.2243,
12.5035

■ 23.1883, 24.8435,
27.0741

■ 13.5790, 10.1647,
9.8750

■ 25.9777, 29.1902,
31.8016

■ 12.4422, 8.4993,
7.6210

■ 29.0805, 34.0487,
36.9891

■ 11.5353, 7.2028,
5.7240

■ 32.5063, 39.4348,
42.6487

■ 10.8419, 6.2467,
4.1650

■ 36.2640, 45.3639,
48.7919

■ 10.3433, 5.5983,
2.9233

■ 40.3623, 51.8504,
55.4299

■ 10.0084, 5.2007,
1.9725

■ 44.8096, 58.9086,
62.5736

■ 9.9101, 5.0814,
1.7012

■ 49.6138, 66.5519,
70.2335

Harmonies

Analogous

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



18.3097, 17.6164, 21.5112



18.5097, 17.6164, 18.9477



18.2229, 17.6164, 16.6535

Triad

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



18.5097, 17.6164, 18.9477



15.8363, 17.6164, 15.3519



15.9733, 17.6164, 23.8700

Complementary

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



18.5097, 17.6164, 18.9477



18.8401, 21.7135, 23.6214

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.



15.3471, 17.6164, 21.9527



18.5097, 17.6164, 18.9477



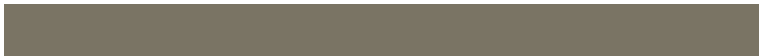
15.2700, 17.6164, 17.0259

Square

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



18.5097, 17.6164, 18.9477



16.6621, 17.6164, 14.6957



15.0941, 17.6164, 19.4167



16.8259, 17.6164, 24.4976

Rectangle

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



18.5097, 17.6164, 18.9477



17.7999, 17.6164, 15.5430



15.0941, 17.6164, 19.4167



15.7304, 17.6164, 23.3471

Sweetspot

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



18.5102, 17.6172, 18.9481



37.6760, 38.5218, 41.8635



18.8007, 17.6421, 24.6049



8.4311, 8.5906, 9.3327



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.5102, 17.6172, 18.9481



31.7493, 29.4082, 31.4419



18.8885, 18.8265, 17.6783



4.7127, 4.7048, 5.0995



9.4422, 4.8412, 1.6348



0.0351, 0.0177, 0.0182

Inverse Universe

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



18.5102, 17.6172, 18.9481



31.7493, 29.4082, 31.4419



18.3964, 20.2868, 25.1367



4.7127, 4.7048, 5.0995



9.4422, 4.8412, 1.6348



0.0351, 0.0177, 0.0182

Previews

White Background



This preview shows how the XYZ color 18.5097, 17.6164, 18.9477 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 18.5097, 17.6164, 18.9477 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

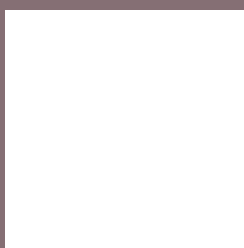
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5097, 17.6164, 18.9477

Background



This preview shows how black text looks on a background with the XYZ color 18.5097, 17.6164, 18.9477.



This preview shows how white text looks on a background with the XYZ color 18.5097, 17.6164,

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

18.5097, 17.6164, 18.9477

Protanopia

17.0464, 17.6742, 19.9658

Deuteranopia

17.9596, 17.6604, 18.9852



Tritanopia

18.6871, 17.6873, 19.8818

Trichromacy



Original Color

18.5097, 17.6164, 18.9477

Protanomaly

17.4557, 17.5536, 19.6077

Deuteranomaly

18.1525, 17.5951, 18.9625

Tritanomaly

18.6273, 17.6634, 19.5672

Monochromacy



Original Color

18.5097, 17.6164, 18.9477

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5100, 17.7568, 19.3341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5097, 17.6164, 18.9477 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(133, 111, 116)` looks like.

```
.text, #text, p{  
    color:rgb(133, 111, 116)  
}
```

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(133, 111, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 111, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.5097, 17.6164, 18.9477 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(133, 111, 116) }
```


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

```
.border{ border-color:rgb(133, 111, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 111, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 111, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 111, 116);  
box-shadow:4px 4px 4px 4px rgb(133, 111,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5097, 17.6164, 18.9477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 111, 116) }
```

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

```
.background{ background-color: rgb(133,  
111, 116) }
```

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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