

Converting Colors

XYZ(19.1867, 21.7132, 17.7746)

Have a look what the booklet for
XYZ(19.1867, 21.7132, 17.7746)
contains.

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Color

**XYZ(19.0450, 21.5477,
17.6233)**

Conversions

Conversions Part 1

Format	Color
Hex	7B836D
RGB	123, 131, 109
RGB Percent	48%, 51%, 43%
CMY	0.5176, 0.4863, 0.5725
CMYK	0.06, 0.00, 0.17, 0.49
HSL	82°, 9%, 47%
HSV	82°, 17%, 51%
XYZ	19.0450, 21.5477, 17.6233
YIQ	126.1000, 2.2940, -8.5380

Conversions

Conversions Part 2

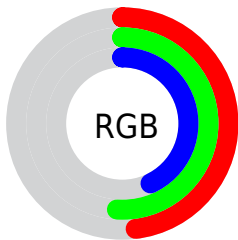
Format	Color
RYB	109, 131, 117
Decimal	8094573
CIELab	53.54, -7.17, 10.91
CIELCh	54, 13.056, 123.330
Yxy	21.5477, 0.3271, 0.3701
Android (android.graphics.Color)	4286284653 (0xFF7B836D)
YUV	126.1000, -8.4303, -2.7187
Hunter-Lab	46.4195, -7.9991, 9.9840

Details

The XYZ color **19.0450, 21.5477, 17.6233** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.9023, 16.3584, 23.7406**, and the grayscale version is **19.8929, 20.9289, 22.7916**.

A 20% lighter version of the original color is **41.4780, 46.0843, 40.4272**, and **6.6836, 7.8274, 5.5734** is the 20% darker color. If you saturate the color by 10%, you get **17.7268, 20.9443, 14.1507**, and if you desaturate by 10%, it is **20.5027, 22.2122, 21.6520**.

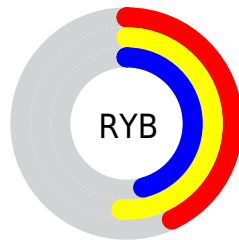
Distribution



Red (48%)

Green (51%)

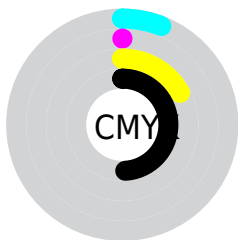
Blue (43%)



Red (43%)

Yellow (51%)

Blue (46%)

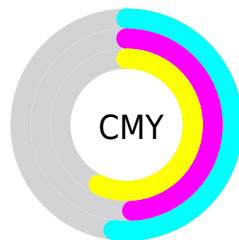


Cyan (6%)

Magenta (0%)

Yellow (17%)

Black (49%)



Cyan (52%)

Magenta (49%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0450, 21.5477, 17.6233 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 19.0450, 21.5477, 17.6233 by changing the saturation by 10% instead.

■ 19.0450, 21.5477,
17.6233

■ 19.0450, 21.5477,
17.6233

239.6304,
260.1751, 250.9035

■ 11.8070, 13.5249,
10.5132

■ 41.3264, 45.9973,
40.1996

■ 6.6837, 7.7910,
5.6305

■ 57.1005, 63.1929,
56.5029

■ 3.3096, 3.9615,
2.5566

■ 76.4507, 84.2150,
76.7078

■ 1.3195, 1.6521,
0.8699

■ 99.7424, 109.4478,
101.2327

■ 0.1978, 0.3923,
0.0000

127.3408,
139.2758, 130.4962

■ 0.0000, 0.0000,
0.0000

159.6114,

174.0835, 164.9168

196.9195,
214.2551, 204.9130

■ 19.0450, 21.5477,
17.6233

■ 19.0450, 21.5477,
17.6233

■ 17.7268, 20.9443,
14.1507

■ 20.5027, 22.2122,
21.6520

■ 16.5412, 20.3970,
11.2084

■ 22.1030, 22.9369,
26.2585

■ 15.4833, 19.9045,
8.7707

■ 23.8510, 23.7245,
31.4647

■ 14.5474, 19.4644,
6.8090

■ 25.7510, 24.5770,
37.2911

■ 13.7269, 19.0742,
5.2920

■ 27.8071, 25.4960,
43.7574

■ 13.0146, 18.7308,
4.1846

■ 30.0234, 26.4831,
50.8822

■ 12.4024, 18.4309,
3.4465

■ 32.4036, 27.5400,
58.6834

■ 11.8753, 18.1684,
3.0015

■ 34.9514, 28.6680,
67.1783

■ 11.7154, 18.0887,
2.8740

■ 37.6703, 29.8688,
76.3834

Harmonies

Analogous

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



20.3254, 21.5477, 16.6124



19.0450, 21.5477, 17.6233



18.1810, 21.5477, 20.1872

Triad

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



19.0450, 21.5477, 17.6233



19.3026, 21.5477, 30.9982



23.2698, 21.5477, 23.0195

Complementary

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



19.0450, 21.5477, 17.6233



16.9023, 16.3584, 23.7406

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.



22.9660, 21.5477, 27.0726



19.0450, 21.5477, 17.6233



20.6363, 21.5477, 31.9745

Square

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



19.0450, 21.5477, 17.6233



18.3249, 21.5477, 27.9297



21.9863, 21.5477, 30.4654



22.7987, 21.5477, 19.4977

Rectangle

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



19.0450, 21.5477, 17.6233



17.9359, 21.5477, 22.5828



21.9863, 21.5477, 30.4654



23.2550, 21.5477, 24.3633

Sweetspot

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



19.0456, 21.5486, 17.6238



37.1773, 39.9854, 40.0844



18.4476, 18.5829, 17.0828



8.6168, 9.2918, 9.2222



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.



19.0456, 21.5486, 17.6238



33.2106, 38.1781, 29.1655



17.5976, 20.8022, 17.5560



4.8798, 5.3406, 5.0030



11.5343, 17.8061, 2.8290



0.0480, 0.0658, 0.0102

Inverse Universe

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



16.9023, 16.3584, 23.7406



28.6509, 27.1348, 42.1806



18.4232, 17.1425, 23.8117



4.5826, 4.6209, 5.8511



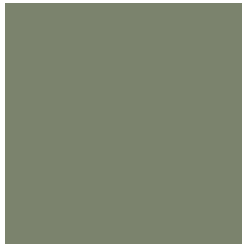
5.2189, 2.2246, 21.2910



0.0256, 0.0116, 0.0741

Previews

White Background



This preview shows how the XYZ color 19.0450, 21.5477, 17.6233 looks on a white background.

Color Contrast Check

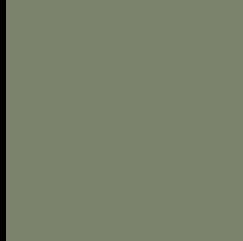
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0450, 21.5477, 17.6233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

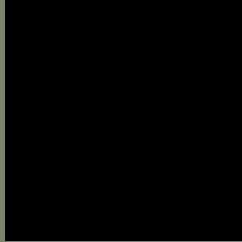
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

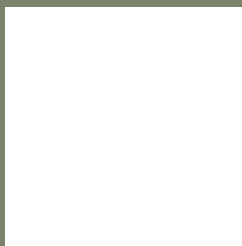
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0450, 21.5477, 17.6233

Background



This preview shows how black text looks on a background with the XYZ color 19.0450, 21.5477, 17.6233.



This preview shows how white text looks on a background with the XYZ color 19.0450, 21.5477,

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

19.0450, 21.5477, 17.6233

Protanopia

20.2349, 21.3912, 16.9723

Deuteranopia

21.8063, 21.4246, 18.0250



Tritanopia

20.8571, 21.4969, 26.7169

Trichromacy



Original Color

19.0450, 21.5477, 17.6233

Protanomaly

19.7860, 21.3463, 17.2648

Deuteranomaly

20.7566, 21.4508, 17.7983

Tritanomaly

20.1541, 21.4063, 23.1483

Monochromacy



Original Color

19.0450, 21.5477, 17.6233

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.5668, 21.1544, 20.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0450, 21.5477, 17.6233 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(123, 131, 109)` looks like.

```
.text, #text, p{  
    color:rgb(123, 131, 109)  
}
```

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(123, 131, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 131, 109) }
```

Border

The CSS property to change the border of an element to XYZ 19.0450, 21.5477, 17.6233 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(123, 131, 109) }
```


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

```
.border{ border-color:rgb(123, 131, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 131, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 131, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 131, 109);  
box-shadow:4px 4px 4px 4px rgb(123, 131,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0450, 21.5477, 17.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 131, 109) }
```

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

```
.background{ background-color: rgb(123,  
131, 109) }
```

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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