

Converting Colors

XYZ(18.7335, 19.6725, 10.3733)

Have a look what the booklet for
XYZ(18.7335, 19.6725, 10.3733)
contains.

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Color

**XYZ(18.7666, 19.6572,
10.3945)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7950
RGB	138, 121, 80
RGB Percent	54%, 47%, 31%
CMY	0.4588, 0.5255, 0.6863
CMYK	0.00, 0.12, 0.42, 0.46
HSL	42°, 27%, 43%
HSV	42°, 42%, 54%
XYZ	18.7666, 19.6572, 10.3945
YIQ	121.4090, 23.2930, -9.1470

Conversions

Conversions Part 2

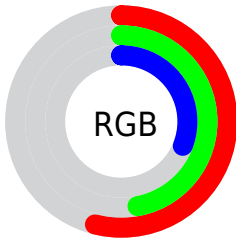
Format	Color
RYB	104, 138, 80
Decimal	9075024
CIELab	51.45, 0.43, 24.88
CIELCh	51, 24.886, 89.010
Yxy	19.6572, 0.3844, 0.4027
Android (android.graphics.Color)	4287265104 (0xFF8A7950)
YUV	121.4090, -20.4146, 14.5503
Hunter-Lab	44.3364, -2.0338, 17.1352

Details

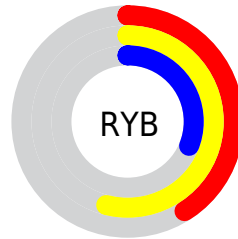
The XYZ color **18.7666, 19.6572, 10.3945** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.1703, 12.0895, 25.7369**, and the grayscale version is **18.3656, 19.3221, 21.0418**.

A 20% lighter version of the original color is **40.7111, 42.7053, 27.2163**, and **6.6018, 6.9068, 2.4986** is the 20% darker color. If you saturate the color by 10%, you get **17.8272, 18.5122, 7.8190**, and if you desaturate by 10%, it is **19.8324, 20.8872, 13.5293**.

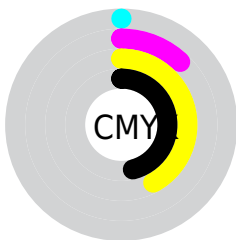
Distribution



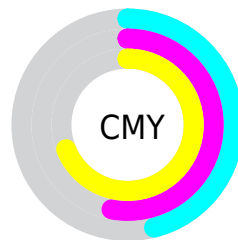
- Red (54%)
- Green (47%)
- Blue (31%)



- Red (41%)
- Yellow (54%)
- Blue (31%)



- Cyan (0%)
- Magenta (12%)
- Yellow (42%)
- Black (46%)



- Cyan (46%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7666, 19.6572, 10.3945 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 18.7666, 19.6572, 10.3945 by changing the saturation by 10% instead.

■ 18.7666, 19.6572,
10.3945

■ 18.7666, 19.6572,
10.3945

238.1201,
250.0533, 204.0510

■ 11.6048, 12.1461,
5.5523

■ 40.8593, 42.8417,
27.1542

■ 6.5454, 6.8433,
2.5105

■ 56.5208, 59.2839,
39.9089

■ 3.2233, 3.3643,
0.8457

■ 75.7463, 79.4719,
56.1380

■ 1.2729, 1.3247,
0.0000

■ 98.9010, 103.7902,
76.2603

■ 0.1628, 0.1602,
0.0000

■ 126.3504,
132.6230, 100.6942

■ 0.0000, 0.0000,
0.0000

158.4599,

166.3549, 129.8582

195.5946,
205.3702, 164.1710

■ 18.7666, 19.6572,
10.3945

■ 18.7666, 19.6572,
10.3945

■ 17.8272, 18.5122,
7.8190

■ 19.8324, 20.8872,
13.5293

■ 17.0059, 17.4462,
5.7675

■ 21.0292, 22.2022,
17.2534

■ 16.2958, 16.4570,
4.2026

■ 22.3633, 23.6059,
21.5962

■ 15.6886, 15.5406,
3.0812

■ 23.8399, 25.1008,
26.5845

■ 15.1743, 14.6928,
2.3529

■ 25.4641, 26.6892,
32.2437

■ 14.8078, 14.0564,
1.9327

■ 27.2408, 28.3734,
38.5979

■ 29.1743, 30.1556,
45.6699

■ 31.2691, 32.0379,
53.4814

■ 33.5294, 34.0223,
62.0532

Harmonies

Analogous

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



21.2645, 19.6572, 11.6527



18.7666, 19.6572, 10.3945



16.4520, 19.6572, 11.4951

Triad

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



18.7666, 19.6572, 10.3945



14.7939, 19.6572, 28.7827



23.1058, 19.6572, 29.2866

Complementary

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



18.7666, 19.6572, 10.3945



12.1703, 12.0895, 25.7369

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.



21.1083, 19.6572, 35.8095



18.7666, 19.6572, 10.3945



16.3205, 19.6572, 35.4760

Square

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



18.7666, 19.6572, 10.3945



14.2852, 19.6572, 21.1668



18.6008, 19.6572, 38.2915



23.9031, 19.6572, 21.6416

Rectangle

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



18.7666, 19.6572, 10.3945



15.2910, 19.6572, 13.5963



18.6008, 19.6572, 38.2915



22.5442, 19.6572, 31.7407

Sweetspot

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



18.7671, 19.6581, 10.3949



39.1117, 41.2916, 37.0491



15.5264, 12.0113, 12.9076



8.6665, 9.1511, 7.9608



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.7671, 19.6581, 10.3949



31.5731, 32.8184, 14.1768



19.1999, 23.2223, 11.0601



5.3094, 5.6016, 5.3538



13.5896, 12.9136, 1.7763



0.1030, 0.1112, 0.0160

Inverse Universe

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



12.1703, 12.0895, 25.7369



18.4070, 17.7247, 44.8342



11.8301, 9.8273, 25.3182



4.8864, 5.1156, 6.3357



4.9269, 3.1242, 22.3890



0.0442, 0.0436, 0.1525

Previews

White Background



This preview shows how the XYZ color 18.7666, 19.6572, 10.3945 looks on a white background.

Color Contrast Check

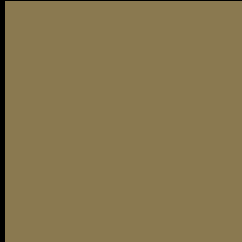
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7666, 19.6572, 10.3945 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 18.7666, 19.6572, 10.3945

Background



This preview shows how black text looks on a background with the XYZ color 18.7666, 19.6572, 10.3945.



This preview shows how white text looks on a background with the XYZ color 18.7666, 19.6572,

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

18.7666, 19.6572, 10.3945

Protanopia

18.2410, 19.7465, 10.6346

Deuteranopia

19.8791, 19.5197, 10.5045



Tritanopia

21.0965, 19.5563, 21.7316

Trichromacy



Original Color

18.7666, 19.6572, 10.3945

Protanomaly

18.4364, 19.6640, 10.6084

Deuteranomaly

19.4652, 19.4802, 10.5187

Tritanomaly

20.0526, 19.4680, 16.8882

Monochromacy



Original Color

18.7666, 19.6572, 10.3945

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1913, 19.2274, 16.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7666, 19.6572, 10.3945 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(138, 121, 80)` looks like.

```
.text, #text, p{  
    color:rgb(138, 121, 80)  
}
```

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(138, 121, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 121, 80) }
```

Border

The CSS property to change the border of an element to XYZ 18.7666, 19.6572, 10.3945 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(138, 121, 80) }
```


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

```
.border{ border-color:rgb(138, 121, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 121, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 121, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 121, 80);  
box-shadow:4px 4px 4px 4px rgb(138, 121,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7666, 19.6572, 10.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 121, 80) }
```

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

```
.background{ background-color: rgb(138,  
121, 80) }
```

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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