

Converting Colors

XYZ(22.4174, 18.8403, 9.5737)

Have a look what the booklet for
XYZ(22.4174, 18.8403, 9.5737)
contains.

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Color

**XYZ(22.5752, 18.9780,
9.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	A8694E
RGB	168, 105, 78
RGB Percent	66%, 41%, 31%
CMY	0.3412, 0.5882, 0.6941
CMYK	0.00, 0.37, 0.54, 0.34
HSL	18°, 37%, 48%
HSV	18°, 54%, 66%
XYZ	22.5752, 18.9780, 9.6810
YIQ	120.7590, 46.2150, 4.9590

Conversions

Conversions Part 2

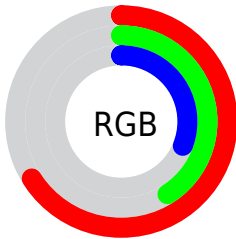
Format	Color
RYB	168, 117, 78
Decimal	11037006
CIELab	50.66, 22.31, 25.67
CIELCh	51, 34.011, 48.999
Yxy	18.9780, 0.4406, 0.3704
Android (android.graphics.Color)	4289227086 (0xFFA8694E)
YUV	120.7590, -21.0802, 41.4304
Hunter-Lab	43.5637, 16.2641, 17.3188

Details

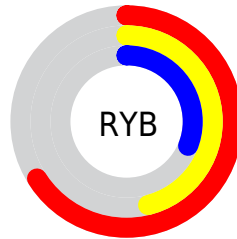
The XYZ color **22.5752, 18.9780, 9.6810** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.7342, 23.4957, 40.5408**, and the grayscale version is **18.1520, 19.0973, 20.7970**.

A 20% lighter version of the original color is **47.2518, 41.8150, 25.6593**, and **8.5477, 6.5468, 2.2520** is the 20% darker color. If you saturate the color by 10%, you get **20.9321, 16.5357, 6.5318**, and if you desaturate by 10%, it is **24.5388, 21.8150, 13.6965**.

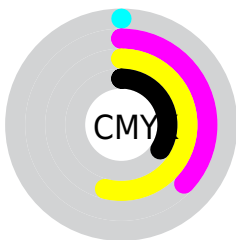
Distribution



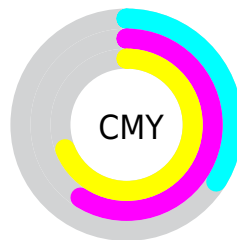
- Red (66%)
- Green (41%)
- Blue (31%)



- Red (66%)
- Yellow (46%)
- Blue (31%)



- Cyan (0%)
- Magenta (37%)
- Yellow (54%)
- Black (34%)



- Cyan (34%)
- Magenta (59%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5752, 18.9780, 9.6810 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 22.5752, 18.9780, 9.6810 by changing the saturation by 10% instead.

■ 22.5752, 18.9780,
9.6810

■ 22.5752, 18.9780,
9.6810

258.1118,
246.3273, 198.7813

■ 14.3991, 11.6544,
5.0851

■ 47.1667, 41.6969,
25.7921

■ 8.4823, 6.5088,
2.2377

■ 64.3128, 57.8610,
38.1444

■ 4.4595, 3.1569,
0.6960

■ 85.1796, 77.7407,
53.9193

■ 1.9652, 1.2142,
0.0000

■ 110.1325,
101.7204, 73.5353

■ 0.6143, 0.0732,
0.0000

■ 139.5368,
130.1846, 97.4110

■ 0.0000, 0.0000,
0.0000

173.7579,

163.5175, 125.9649

213.1611,
202.1036, 159.6154

■ 22.5752, 18.9780,
9.6810

■ 22.5752, 18.9780,
9.6810

■ 20.9321, 16.5357,
6.5318

■ 24.5388, 21.8150,
13.6965

■ 19.5893, 14.4670,
4.1825

■ 26.8385, 25.0610,
18.6357

■ 18.5264, 12.7529,
2.5589

■ 29.4906, 28.7327,
24.5524

■ 17.7191, 11.3713,
1.5716

■ 32.5098, 32.8454,
31.4958

■ 17.3065, 10.6410,
1.1418

■ 35.9100, 37.4132,
39.5117

■ 39.7043, 42.4500,
48.6434

■ 43.9051, 47.9686,
58.9316

■ 48.5244, 53.9818,
70.4150

■ 53.5735, 60.5014,
83.1303

Harmonies

Analogous

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



24.7976, 18.9780, 15.2486



22.5752, 18.9780, 9.6810



19.2882, 18.9780, 7.3808

Triad

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



22.5752, 18.9780, 9.6810



12.4526, 18.9780, 17.3572



20.2047, 18.9780, 43.3148

Complementary

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



22.5752, 18.9780, 9.6810



19.7342, 23.4957, 40.5408

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.



16.8431, 18.9780, 44.4085



22.5752, 18.9780, 9.6810



12.6341, 18.9780, 27.2297

Square

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



22.5752, 18.9780, 9.6810



13.6229, 18.9780, 10.8139



14.1535, 18.9780, 37.8304



23.3168, 18.9780, 35.1869

Rectangle

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



22.5752, 18.9780, 9.6810



17.0545, 18.9780, 7.3249



14.1535, 18.9780, 37.8304



19.0586, 18.9780, 44.5941

Sweetspot

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



22.5757, 18.9790, 9.6814



57.4346, 57.4900, 53.5335



23.6807, 15.6969, 26.9811



12.2807, 12.2073, 11.1198



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.5757, 18.9790, 9.6814



37.5577, 29.3596, 11.0747



28.4300, 30.6877, 11.6328



7.7078, 7.8956, 7.9070



13.1094, 8.1161, 0.8756



0.3631, 0.2858, 0.0360

Inverse Universe

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



19.7342, 23.4957, 40.5408



31.8053, 38.3092, 72.9432



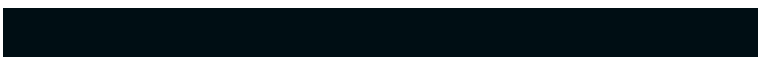
14.3928, 12.8128, 38.7603



7.5547, 8.1463, 9.5926



10.2399, 11.9400, 29.7404



0.2907, 0.3736, 0.7374

Previews

White Background



This preview shows how the XYZ color 22.5752, 18.9780, 9.6810 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 22.5752, 18.9780, 9.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

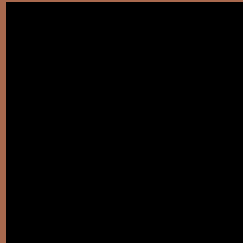
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5752, 18.9780, 9.6810

Background



This preview shows how black text looks on a background with the XYZ color 22.5752, 18.9780, 9.6810.



This preview shows how white text looks on a background with the XYZ color 22.5752, 18.9780,

9.6810.

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

22.5752, 18.9780, 9.6810

Protanopia

17.7977, 19.1401, 11.1439

Deuteranopia

19.4040, 19.1236, 9.5060



Tritanopia

23.9380, 18.9361, 16.5807

Trichromacy



Original Color

22.5752, 18.9780, 9.6810

Protanomaly

19.1553, 18.8000, 10.6018

Deuteranomaly

20.4602, 18.9942, 9.6091

Tritanomaly

23.2712, 18.8008, 13.7117

Monochromacy



Original Color

22.5752, 18.9780, 9.6810

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1618, 18.6847, 15.9612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5752, 18.9780, 9.6810 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(168, 105, 78)` looks like.

```
.text, #text, p{  
    color:rgb(168, 105, 78)  
}
```

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(168, 105, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 105, 78) }
```

Border

The CSS property to change the border of an element to XYZ 22.5752, 18.9780, 9.6810 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(168, 105, 78) }
```


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

```
.border{ border-color:rgb(168, 105, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 105, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 105, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 105, 78);  
box-shadow:4px 4px 4px 4px rgb(168, 105,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5752, 18.9780, 9.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 105, 78) }
```

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

```
.background{ background-color: rgb(168,  
105, 78) }
```

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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