

Converting Colors

XYZ(20.5038, 18.1374, 9.7226)

Have a look what the booklet for
XYZ(20.5038, 18.1374, 9.7226)
contains.

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Color

**XYZ(20.5736, 18.2480,
9.8350)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6B4F
RGB	157, 107, 79
RGB Percent	62%, 42%, 31%
CMY	0.3843, 0.5804, 0.6902
CMYK	0.00, 0.32, 0.50, 0.38
HSL	22°, 33%, 46%
HSV	22°, 50%, 62%
XYZ	20.5736, 18.2480, 9.8350
YIQ	118.7580, 38.7880, 1.8920

Conversions

Conversions Part 2

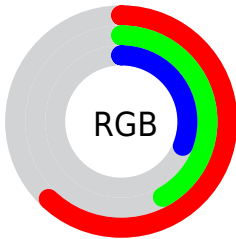
Format	Color
R_{YB}	157, 123, 79
Decimal	10316623
CIE Lab	49.80, 16.61, 23.70
CIE LCh	50, 28.945, 54.980
Yxy	18.2480, 0.4228, 0.3750
Android (android.graphics.Color)	4288506703 (0xFF9D6B4F)
YUV	118.7580, -19.6007, 33.5382
Hunter-Lab	42.7177, 11.2129, 16.2519

Details

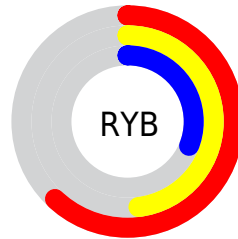
The XYZ color **20.5736, 18.2480, 9.8350** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.1601, 19.7962, 34.8148**, and the grayscale version is **17.5099, 18.4217, 20.0613**.

A 20% lighter version of the original color is **44.0260, 40.6509, 25.9481**, and **7.4462, 6.1270, 2.3035** is the 20% darker color. If you saturate the color by 10%, you get **19.0795, 16.0688, 6.8429**, and if you desaturate by 10%, it is **22.3257, 20.7272, 13.5794**.

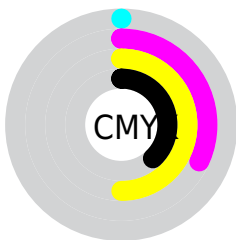
Distribution



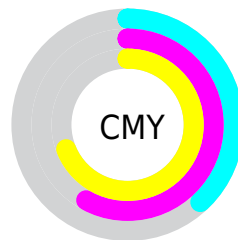
- Red (62%)
- Green (42%)
- Blue (31%)



- Red (62%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (38%)



- Cyan (38%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5736, 18.2480, 9.8350 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 20.5736, 18.2480, 9.8350 by changing the saturation by 10% instead.

■ 20.5736, 18.2480,
9.8350

■ 20.5736, 18.2480,
9.8350

247.7785,
242.2652, 199.9322

■ 12.9234, 11.1282,
5.1855

■ 43.8734, 40.4595,
26.0876

■ 7.4524, 6.1531,
2.2959

■ 60.2538, 56.3199,
38.5279

■ 3.7954, 2.9384,
0.7289

■ 80.2748, 75.8627,
54.4021

■ 1.5871, 1.0997,
0.0000

■ 104.3019, 99.4721,
74.1289

■ 0.3840, 0.0000,
0.0000

■ 132.7005,
127.5327, 98.1267

■ 0.0000, 0.0000,
0.0000

165.8359,

160.4289, 126.8142

204.0734,
198.5449, 160.6099

■ 20.5736, 18.2480,
9.8350

■ 20.5736, 18.2480,
9.8350

■ 19.0795, 16.0688,
6.8429

■ 22.3257, 20.7272,
13.5794

■ 17.8282, 14.1748,
4.5497

■ 24.3472, 23.5152,
18.1222

■ 16.8049, 12.5536,
2.8968

■ 26.6503, 26.6237,
23.5071

■ 15.9920, 11.1909,
1.8153

■ 29.2460, 30.0628,
29.7742

■ 15.3551, 10.0646,
1.1478

■ 32.1446, 33.8423,
36.9610

■ 15.3366, 10.0321,
1.1281

■ 35.3561, 37.9715,
45.1029

■ 38.8898, 42.4593,
54.2335

■ 42.7548, 47.3145,
64.3845

■ 46.9597, 52.5452,
75.5864

Harmonies

Analogous

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



22.6169, 18.2480, 14.1134



20.5736, 18.2480, 9.8350



17.8130, 18.2480, 8.2431

Triad

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



20.5736, 18.2480, 9.8350



12.5737, 18.2480, 18.5677



19.6849, 18.2480, 37.0893

Complementary

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



20.5736, 18.2480, 9.8350



17.1601, 19.7962, 34.8148

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.



16.8837, 18.2480, 39.1965



20.5736, 18.2480, 9.8350



12.9621, 18.2480, 27.0087

Square

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



20.5736, 18.2480, 9.8350



13.3485, 18.2480, 12.3568



14.4717, 18.2480, 35.1082



22.0669, 18.2480, 29.9369

Rectangle

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



20.5736, 18.2480, 9.8350



16.0074, 18.2480, 8.5008



14.4717, 18.2480, 35.1082



18.7534, 18.2480, 38.4797

Sweetspot

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



20.5740, 18.2489, 9.8354



49.7042, 50.3116, 46.8298



20.7098, 14.3639, 22.6947



10.7414, 10.8107, 9.8343



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.5740, 18.2489, 9.8354



33.8124, 28.2459, 11.5730



25.4872, 28.0752, 11.4731



6.8183, 7.0165, 6.9806



12.4887, 8.2130, 0.9270



0.2615, 0.2233, 0.0293

Inverse Universe

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



17.1601, 19.7962, 34.8148



26.9245, 31.2965, 61.7485



13.0259, 11.5277, 33.4367



6.6214, 7.1085, 8.4298



8.7295, 9.5505, 27.2906



0.1948, 0.2482, 0.5009

Previews

White Background



This preview shows how the XYZ color 20.5736, 18.2480, 9.8350 looks on a white background.

Color Contrast Check

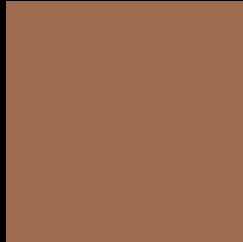
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5736, 18.2480, 9.8350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

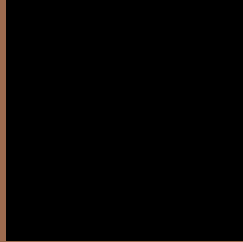
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5736, 18.2480, 9.8350

Background



This preview shows how black text looks on a background with the XYZ color 20.5736, 18.2480, 9.8350.



This preview shows how white text looks on a background with the XYZ color 20.5736, 18.2480,

9.8350.

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

20.5736, 18.2480, 9.8350

Protanopia

17.0991, 18.4229, 11.0423

Deuteranopia

18.7202, 18.4243, 9.7773



Tritanopia

22.2167, 18.3218, 17.4044

Trichromacy



Original Color

20.5736, 18.2480, 9.8350

Protanomaly

18.3012, 18.3596, 10.5618

Deuteranomaly

19.2723, 18.2148, 9.7078

Tritanomaly

21.5005, 18.1724, 14.1788

Monochromacy



Original Color

20.5736, 18.2480, 9.8350

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3023, 18.2475, 15.6542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5736, 18.2480, 9.8350 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(157, 107, 79)` looks like.

```
.text, #text, p{  
    color:rgb(157, 107, 79)  
}
```

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(157, 107, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 107, 79) }
```

Border

The CSS property to change the border of an element to XYZ 20.5736, 18.2480, 9.8350 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(157, 107, 79) }
```


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

```
.border{ border-color:rgb(157, 107, 79) }
```

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

Here you see how a box with a 4 pixel rgb(157, 107, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 107, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 107, 79);  
box-shadow:4px 4px 4px 4px rgb(157, 107,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5736, 18.2480, 9.8350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 107, 79) }
```

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

```
.background{ background-color: rgb(157,  
107, 79) }
```

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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