

Converting Colors

XYZ(20.9576, 18.9500, 15.6203)

Have a look what the booklet for
XYZ(20.9576, 18.9500, 15.6203)
contains.

XYZ(20.9456, 18.9477, 15.6500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9456, 18.9477,
15.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	976F68
RGB	151, 111, 104
RGB Percent	59%, 44%, 41%
CMY	0.4078, 0.5647, 0.5922
CMYK	0.00, 0.26, 0.31, 0.41
HSL	9°, 18%, 50%
HSV	9°, 31%, 59%
XYZ	20.9456, 18.9477, 15.6500
YIQ	122.1620, 26.0870, 6.3030

Conversions

Conversions Part 2

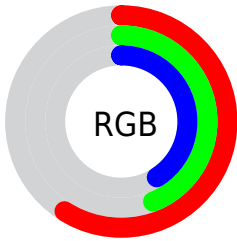
Format	Color
R _Y B	151, 112, 104
Decimal	9924456
CIE Lab	50.63, 14.83, 10.11
CIE LCh	51, 17.946, 34.279
Yxy	18.9477, 0.3771, 0.3411
Android (android.graphics.Color)	4288114536 (0xFF976F68)
YUV	122.1620, -8.9539, 25.2909
Hunter-Lab	43.5290, 9.7163, 9.1537

Details

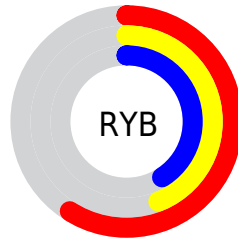
The XYZ color **20.9456, 18.9477, 15.6500** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2676, 25.1229, 33.0064**, and the grayscale version is **18.5744, 19.5417, 21.2809**.

A 20% lighter version of the original color is **44.4672, 41.6828, 36.7122**, and **7.6616, 6.5031, 4.7223** is the 20% darker color. If you saturate the color by 10%, you get **18.9436, 16.0632, 11.5314**, and if you desaturate by 10%, it is **23.2877, 22.2924, 20.5600**.

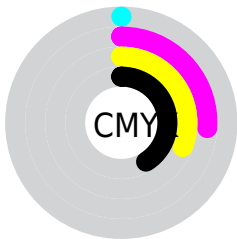
Distribution



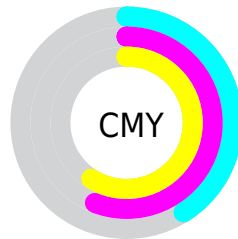
- Red (59%)
- Green (44%)
- Blue (41%)



- Red (59%)
- Yellow (44%)
- Blue (41%)



- Cyan (0%)
- Magenta (26%)
- Yellow (31%)
- Black (41%)



- Cyan (41%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9456, 18.9477, 15.6500 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 20.9456, 18.9477, 15.6500 by changing the saturation by 10% instead.

■ 20.9456, 18.9477,
15.6500

■ 20.9456, 18.9477,
15.6500

249.7264,
246.1599, 239.0423

■ 13.1965, 11.6325,
9.1252

■ 44.4889, 41.6457,
36.7478

■ 7.6419, 6.4940,
4.7250

■ 61.0139, 57.7973,
52.1579

■ 3.9165, 3.1477,
2.0309

■ 81.1948, 77.6631,
71.3667

■ 1.6550, 1.2093,
0.5742

■ 105.3970,
101.6276, 94.7930

■ 0.4279, 0.0693,
0.0000

133.9859,
130.0751, 122.8551

■ 0.0000, 0.0000,
0.0000

167.3269,

163.3901, 155.9717

205.7853,
201.9569, 194.5612

■ 20.9456, 18.9477,
15.6500

■ 20.9456, 18.9477,
15.6500

■ 18.9436, 16.0632,
11.5314

■ 23.2877, 22.2924,
20.5600

■ 17.2643, 13.6161,
8.1617

■ 25.9832, 26.1134,
26.2987

■ 15.8910, 11.5857,
5.4958


■ 29.0466, 30.4294,
32.9024


■ 14.8048, 9.9486,
3.4837


■ 32.4912, 35.2573,
40.4049


■ 13.9849, 8.6790,
2.0684


■ 36.3293, 40.6131,
48.8382


 13.4070, 7.7480,
1.1834

 40.5731, 46.5121,
58.2327

 13.0590, 7.1724,
0.6961

 45.2339, 52.9692,
68.6174

 50.3227, 59.9984,
80.0202

 55.8502, 67.6134,
92.4678

Harmonies

Analogous

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



21.5903, 18.9477, 19.9178



20.9456, 18.9477, 15.6500



19.5146, 18.9477, 13.0881

Triad

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



20.9456, 18.9477, 15.6500



15.1355, 18.9477, 16.7125



18.2623, 18.9477, 31.8535

Complementary

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



20.9456, 18.9477, 15.6500



21.2676, 25.1229, 33.0064

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.



16.5833, 18.9477, 30.6257



20.9456, 18.9477, 15.6500



14.8478, 18.9477, 21.3607

Square

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



20.9456, 18.9477, 15.6500



16.1738, 18.9477, 13.6280



15.3610, 18.9477, 26.5700



19.9785, 18.9477, 29.6965

Rectangle

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



20.9456, 18.9477, 15.6500



18.3479, 18.9477, 12.4277



15.3610, 18.9477, 26.5700



17.6747, 18.9477, 31.8252

Sweetspot

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



20.9461, 18.9486, 15.6504



47.5476, 48.1991, 49.2749



22.8032, 18.5162, 29.0525



10.6456, 10.7272, 10.8533



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.9461, 18.9486, 15.6504



35.0733, 30.4264, 22.9940



23.7541, 24.5646, 16.5864



6.2794, 6.3639, 6.5032



11.1237, 6.1298, 0.5969



0.1829, 0.1249, 0.0145

Inverse Universe

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



21.2676, 25.1229, 33.0064



35.7315, 43.1820, 58.8854



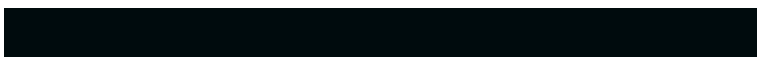
18.1607, 18.9091, 31.9707



6.3061, 6.8697, 7.9226



11.3908, 15.1782, 27.2370



0.1890, 0.2643, 0.4134

Previews

White Background



This preview shows how the XYZ color 20.9456, 18.9477, 15.6500 looks on a white background.

Color Contrast Check

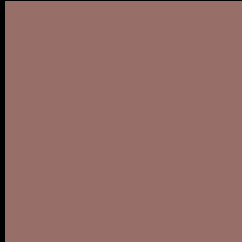
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9456, 18.9477, 15.6500 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 20.9456, 18.9477, 15.6500

Background



This preview shows how black text looks on a background with the XYZ color 20.9456, 18.9477, 15.6500.



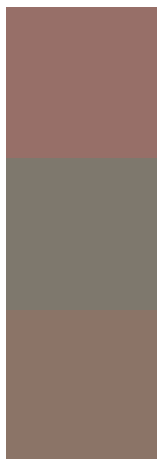
This preview shows how white text looks on a background with the XYZ color 20.9456, 18.9477,

15.6500.

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

20.9456, 18.9477, 15.6500

Protanopia

18.0810, 18.9727, 17.1771

Deuteranopia

19.3410, 18.9590, 15.4720



Tritanopia

21.6284, 18.8970, 19.3372

Trichromacy



Original Color

20.9456, 18.9477, 15.6500

Protanomaly

19.0068, 18.9350, 16.5630

Deuteranomaly

19.7932, 18.8535, 15.4278

Tritanomaly

21.4495, 18.9971, 17.8655

Monochromacy



Original Color

20.9456, 18.9477, 15.6500

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2458, 19.1812, 18.9076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9456, 18.9477, 15.6500 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(151, 111, 104)` looks like.

```
.text, #text, p{  
    color:rgb(151, 111, 104)  
}
```

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(151, 111, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 111, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.9456, 18.9477, 15.6500 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(151, 111, 104) }
```


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

```
.border{ border-color:rgb(151, 111, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 111, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 111, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 111, 104);  
box-shadow:4px 4px 4px 4px rgb(151, 111,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9456, 18.9477, 15.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 111, 104) }
```

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

```
.background{ background-color: rgb(151,  
111, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor