

Converting Colors

XYZ(18.8937, 16.1999, 14.4530)

Have a look what the booklet for
XYZ(18.8937, 16.1999, 14.4530)
contains.

XYZ(18.9388, 16.2570, 14.4516)	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(18.9388, 16.2570,
14.4516)**

Conversions

Conversions Part 1

Format	Color
Hex	936465
RGB	147, 100, 101
RGB Percent	58%, 39%, 40%
CMY	0.4235, 0.6078, 0.6039
CMYK	0.00, 0.32, 0.31, 0.42
HSL	359°, 19%, 48%
HSV	359°, 32%, 58%
XYZ	18.9388, 16.2570, 14.4516
YIQ	114.1670, 27.6910, 10.2750

Conversions

Conversions Part 2

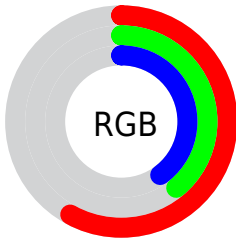
Format	Color
R_{YB}	147, 100, 101
Decimal	9659493
CIE _{Lab}	47.31, 19.15, 7.14
CIE _{LCh}	47, 20.438, 20.435
Yxy	16.2570, 0.3815, 0.3274
Android (android.graphics.Color)	4287849573 (0xFF936465)
YUV	114.1670, -6.4913, 28.7945
Hunter-Lab	40.3200, 13.2838, 6.9731

Details

The XYZ color **18.9388, 16.2570, 14.4516** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.8783, 25.6526, 31.0467**, and the grayscale version is **16.0578, 16.8940, 18.3976**.

A 20% lighter version of the original color is **41.0912, 36.9568, 34.6734**, and **6.6583, 5.2454, 4.1516** is the 20% darker color. If you saturate the color by 10%, you get **17.0097, 13.4298, 10.6297**, and if you desaturate by 10%, it is **21.2467, 19.6439, 19.0091**.

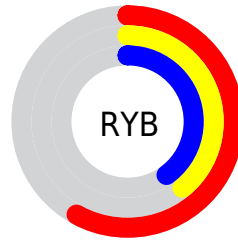
Distribution



Red (58%)

Green (39%)

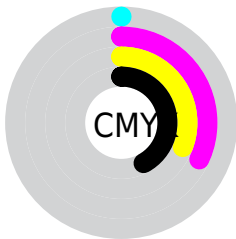
Blue (40%)



Red (58%)

Yellow (39%)

Blue (40%)

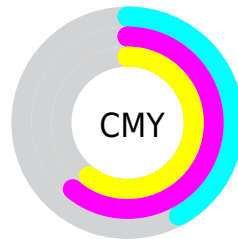


Cyan (0%)

Magenta (32%)

Yellow (31%)

Black (42%)



Cyan (42%)

Magenta (61%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9388, 16.2570, 14.4516 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 18.9388, 16.2570, 14.4516 by changing the saturation by 10% instead.

■ 18.9388, 16.2570,
14.4516

■ 18.9388, 16.2570,
14.4516

239.0553,
230.8535, 231.5477

■ 11.7298, 9.7062,
8.2931

■ 41.1483, 37.0438,
34.6168

■ 6.6309, 5.2046,
4.1926

■ 56.8796, 52.0486,
49.4606

■ 3.2766, 2.3678,
1.7316

■ 76.1823, 70.6401,
68.0365

■ 1.3017, 0.8092,
0.3822

■ 99.4218, 93.2029,
90.7632

■ 0.1845, 0.0000,
0.0000

126.9635,
120.1212, 118.0591

■ 0.0000, 0.0000,
0.0000

159.1728,

151.7795, 150.3428

196.4149,
188.5621, 188.0328

■ 18.9388, 16.2570,
14.4516

■ 18.9388, 16.2570,
14.4516

■ 17.0097, 13.4298,
10.6297

■ 21.2467, 19.6439,
19.0091

■ 15.4378, 11.1301,
7.5039

■ 23.9506, 23.6160,
24.3368

■ 14.2018, 9.3259,
5.0327

■ 27.0684, 28.1998,
30.4684

■ 13.2770, 7.9808,
3.1694

■ 30.6165, 33.4198,
37.4352

■ 12.6358, 7.0534,
1.8617

■ 34.6103, 39.2988,
45.2670

■ 12.2457, 6.4948,
1.0479

■ 39.0646, 45.8588,
53.9921

■ 12.0498, 6.2099,
0.6531

■ 43.9934, 53.1207,
63.6372

■ 49.4101, 61.1043,
74.2284

■ 55.3276, 69.8288,
85.7903

Harmonies

Analogous

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



19.1344, 16.2570, 19.4053



18.9388, 16.2570, 14.4516



17.7704, 16.2570, 11.0892

Triad

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



18.9388, 16.2570, 14.4516



12.9269, 16.2570, 12.0931



14.8820, 16.2570, 29.4276

Complementary

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



18.9388, 16.2570, 14.4516



20.8783, 25.6526, 31.0467

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.



13.3442, 16.2570, 26.5258



18.9388, 16.2570, 14.4516



12.2749, 16.2570, 16.0997

Square

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



18.9388, 16.2570, 14.4516



14.2711, 16.2570, 9.9230



12.4214, 16.2570, 21.4045



16.6959, 16.2570, 28.7488

Rectangle

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



18.9388, 16.2570, 14.4516



16.6438, 16.2570, 9.8879



12.4214, 16.2570, 21.4045



14.3181, 16.2570, 28.8202

Sweetspot

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



18.9392, 16.2578, 14.4519



43.8226, 43.6604, 45.4150



21.5777, 17.2809, 29.8022



9.8494, 9.7400, 10.0636



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.9392, 16.2578, 14.4519



31.4924, 25.5604, 21.0801



21.2848, 21.0265, 14.9943



5.8055, 5.8173, 6.0818



10.4477, 5.3841, 0.5724



0.1289, 0.0663, 0.0122

Inverse Universe

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



18.9392, 16.2578, 14.4519



31.4924, 25.5604, 21.0801



17.8648, 19.5008, 30.4264



5.8055, 5.8173, 6.0818



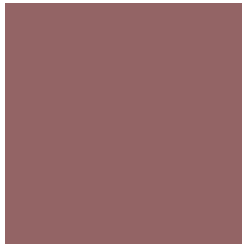
10.4477, 5.3841, 0.5724



0.1289, 0.0663, 0.0122

Previews

White Background



This preview shows how the XYZ color 18.9388, 16.2570, 14.4516 looks on a white background.

Color Contrast Check

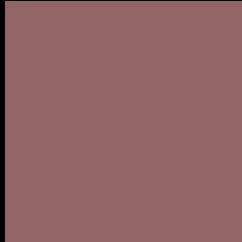
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9388, 16.2570, 14.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

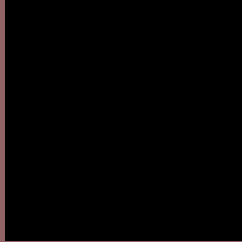
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9388, 16.2570, 14.4516

Background



This preview shows how black text looks on a background with the XYZ color 18.9388, 16.2570, 14.4516.

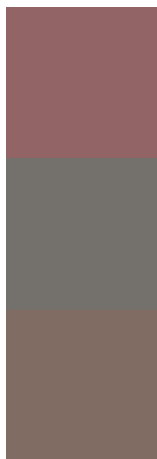


This preview shows how white text looks on a background with the XYZ color 18.9388, 16.2570,

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

18.9388, 16.2570, 14.4516

Protanopia

15.6505, 16.3629, 16.2434

Deuteranopia

16.5168, 16.2152, 14.0637



Tritanopia

19.3284, 16.2811, 16.0338

Trichromacy



Original Color

18.9388, 16.2570, 14.4516

Protanomaly

16.6648, 16.2571, 15.6242

Deuteranomaly

17.3435, 16.1741, 14.2644

Tritanomaly

19.2244, 16.2395, 15.4859

Monochromacy



Original Color

18.9388, 16.2570, 14.4516

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8331, 16.4770, 16.7612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9388, 16.2570, 14.4516 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(147, 100, 101)` looks like.

```
.text, #text, p{  
    color:rgb(147, 100, 101)  
}
```

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(147, 100, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 100, 101) }
```

Border

The CSS property to change the border of an element to XYZ 18.9388, 16.2570, 14.4516 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(147, 100, 101) }
```


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

```
.border{ border-color:rgb(147, 100, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 100, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 100, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 100, 101);  
box-shadow:4px 4px 4px 4px rgb(147, 100,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9388, 16.2570, 14.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 100, 101) }
```

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

```
.background{ background-color: rgb(147,  
100, 101) }
```

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