

Converting Colors

XYZ(19.0758, 16.6086, 4.8567)

Have a look what the booklet for
XYZ(19.0758, 16.6086, 4.8567)
contains.

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Color

**XYZ(18.9749, 16.4877,
4.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	9D642F
RGB	157, 100, 47
RGB Percent	62%, 39%, 18%
CMY	0.3843, 0.6078, 0.8157
CMYK	0.00, 0.36, 0.70, 0.38
HSL	29°, 54%, 40%
HSV	29°, 70%, 62%
XYZ	18.9749, 16.4877, 4.8717
YIQ	111.0010, 50.9850, -4.3990

Conversions

Conversions Part 2

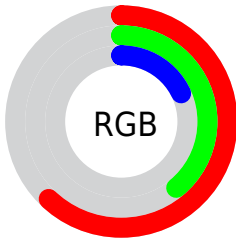
Format	Color
R _Y B	157, 149, 47
Decimal	10314799
CIE Lab	47.61, 18.05, 38.67
CIE LCh	48, 42.674, 64.973
Yxy	16.4877, 0.4704, 0.4088
Android (android.graphics.Color)	4288504879 (0xFF9D642F)
YUV	111.0010, -31.5525, 40.3411
Hunter-Lab	40.6050, 12.3549, 21.3101

Details

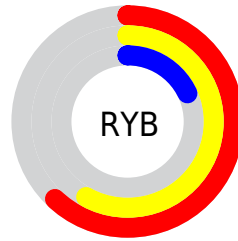
The XYZ color **18.9749, 16.4877, 4.8717** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2081, 12.9386, 33.7520**, and the grayscale version is **15.1885, 15.9795, 17.4016**.

A 20% lighter version of the original color is **41.1565, 37.4065, 15.8775**, and **6.6399, 5.3129, 0.6755** is the 20% darker color. If you saturate the color by 10%, you get **17.9717, 14.9003, 3.2461**, and if you desaturate by 10%, it is **20.1707, 18.2782, 7.1240**.

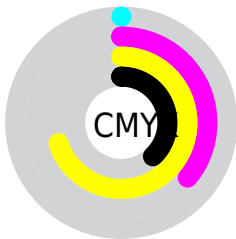
Distribution



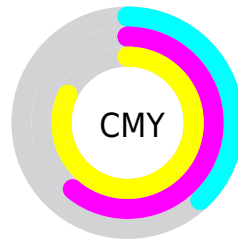
- Red (62%)
- Green (39%)
- Blue (18%)



- Red (62%)
- Yellow (58%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (70%)
- Black (38%)



- Cyan (38%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9749, 16.4877, 4.8717 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 18.9749, 16.4877, 4.8717 by changing the saturation by 10% instead.

■ 18.9749, 16.4877,
4.8717

■ 18.9749, 16.4877,
4.8717

239.2509,
232.2026, 157.4708

■ 11.7560, 9.8699,
2.1148

■ 41.2089, 37.4428,
15.9749

■ 6.6488, 5.3128,
0.6245

■ 56.9547, 52.5490,
25.1583

■ 3.2878, 2.4319,
0.0000

■ 76.2736, 71.2533,
37.3208

■ 1.3077, 0.8422,
0.0000

■ 99.5308, 93.9403,
52.8811

■ 0.1890, 0.0000,
0.0000

■ 127.0919,
120.9944, 72.2578

■ 0.0000, 0.0000,
0.0000

■ 159.3220,

152.7998, 95.8692

196.5865,
189.7411, 124.1341

■ 18.9749, 16.4877,
4.8717

■ 18.9749, 16.4877,
4.8717

■ 17.9717, 14.9003,
3.2461

■ 20.1707, 18.2782,
7.1240

■ 17.1449, 13.5039,
2.1776

■ 21.5712, 20.2780,
10.0606

■ 16.4650, 12.2890,
1.5042

■ 23.1885, 22.4961,
13.7336

■ 25.0335, 24.9400,
18.1898

■ 27.1159, 27.6168,
23.4718

■ 29.4453, 30.5332,
29.6195

■ 32.0302, 33.6956,
36.6699

■ 34.8790, 37.1102,
44.6579

■ 37.9996, 40.7829,
53.6165

Harmonies

Analogous

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



22.4643, 16.4877, 8.4202



18.9749, 16.4877, 4.8717



15.0452, 16.4877, 4.1222

Triad

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



18.9749, 16.4877, 4.8717



9.4532, 16.4877, 19.8310



20.2507, 16.4877, 41.1815

Complementary

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



18.9749, 16.4877, 4.8717



12.2081, 12.9386, 33.7520

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.



16.3140, 16.4877, 47.9687



18.9749, 16.4877, 4.8717



10.4073, 16.4877, 32.8427

Square

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



18.9749, 16.4877, 4.8717



9.9318, 16.4877, 10.4662



12.7749, 16.4877, 44.4230



23.2805, 16.4877, 28.3571

Rectangle

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



18.9749, 16.4877, 4.8717



12.7803, 16.4877, 4.8682



12.7749, 16.4877, 44.4230



18.9679, 16.4877, 44.4381

Sweetspot

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



18.9753, 16.4885, 4.8720



48.0365, 48.7913, 40.6781



17.5054, 10.2349, 14.5980



10.3562, 10.4630, 8.4027



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.



18.9753, 16.4885, 4.8720



31.3261, 25.2547, 4.6361



25.8635, 30.2649, 7.1681



6.8836, 7.1471, 7.0024



13.4095, 10.0546, 1.2340



0.2819, 0.2641, 0.0361

Inverse Universe

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



12.2081, 12.9386, 33.7520



18.4045, 18.4564, 59.7192



8.4275, 5.3775, 32.4919



6.5547, 6.9752, 8.4076



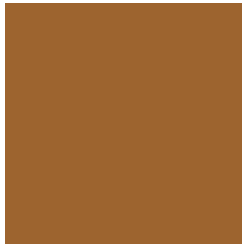
7.3910, 6.8735, 26.8444



0.1744, 0.2074, 0.4941

Previews

White Background



This preview shows how the XYZ color 18.9749, 16.4877, 4.8717 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 18.9749, 16.4877, 4.8717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

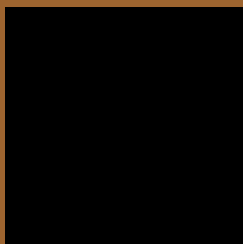
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9749, 16.4877, 4.8717

Background



This preview shows how black text looks on a background with the XYZ color 18.9749, 16.4877, 4.8717.



This preview shows how white text looks on a background with the XYZ color 18.9749, 16.4877,

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

18.9749, 16.4877, 4.8717

Protanopia

15.2190, 16.7093, 5.5550

Deuteranopia

16.8207, 16.5773, 4.7958



Tritanopia

20.8489, 16.4186, 14.3822

Trichromacy



Original Color

18.9749, 16.4877, 4.8717

Protanomaly

16.3609, 16.4859, 5.3374

Deuteranomaly

17.5773, 16.5035, 4.8438

Tritanomaly

19.9661, 16.3308, 9.8844

Monochromacy



Original Color

18.9749, 16.4877, 4.8717

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.9212, 15.8092, 11.4449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9749, 16.4877, 4.8717 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, 100, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 100, 47)  
}
```

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, 100, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 100, 47) }
```

Border

The CSS property to change the border of an element to XYZ 18.9749, 16.4877, 4.8717 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, 100, 47) }
```


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

```
.border{ border-color:rgb(157, 100, 47) }
```

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

Here you see how a box with a 4 pixel rgb(157, 100, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 100, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 100, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 100,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9749, 16.4877, 4.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 100, 47) }
```

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

```
.background{ background-color: rgb(157,  
100, 47) }
```

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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