

Converting Colors

XYZ(19.6687, 17.6130, 9.4763)

Have a look what the booklet for
XYZ(19.6687, 17.6130, 9.4763)
contains.

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Color

**XYZ(19.6305, 17.6162,
9.3868)**

Conversions

Conversions Part 1

Format	Color
Hex	996A4D
RGB	153, 106, 77
RGB Percent	60%, 42%, 30%
CMY	0.4000, 0.5843, 0.6980
CMYK	0.00, 0.31, 0.50, 0.40
HSL	23°, 33%, 45%
HSV	23°, 50%, 60%
XYZ	19.6305, 17.6162, 9.3868
YIQ	116.7470, 37.3210, 0.9450

Conversions

Conversions Part 2

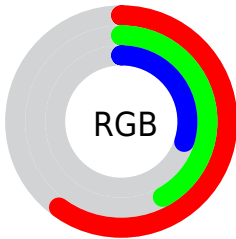
Format	Color
R_{YB}	153, 124, 77
Decimal	10054221
CIE Lab	49.03, 15.26, 23.76
CIE LCh	49, 28.243, 57.290
Yxy	17.6162, 0.4210, 0.3778
Android (android.graphics.Color)	4288244301 (0xFF996A4D)
YUV	116.7470, -19.5953, 31.7939
Hunter-Lab	41.9717, 10.0356, 16.1202

Details

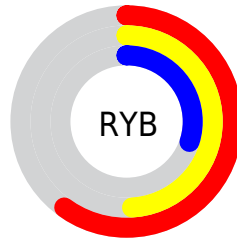
The XYZ color **19.6305, 17.6162, 9.3868** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.0177, 18.2923, 32.8236**, and the grayscale version is **16.8812, 17.7604, 19.3410**.

A 20% lighter version of the original color is **42.1174, 39.1756, 25.0805**, and **6.9194, 5.7830, 2.1180** is the 20% darker color. If you saturate the color by 10%, you get **18.2308, 15.5820, 6.5613**, and if you desaturate by 10%, it is **21.2658, 19.9181, 12.9181**.

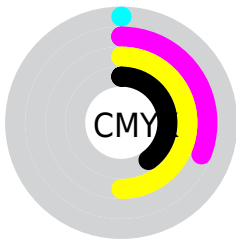
Distribution



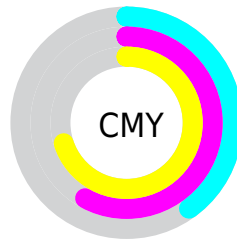
- Red (60%)
- Green (42%)
- Blue (30%)



- Red (60%)
- Yellow (49%)
- Blue (30%)



- Cyan (0%)
- Magenta (31%)
- Yellow (50%)
- Black (40%)



- Cyan (40%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6305, 17.6162, 9.3868 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 19.6305, 17.6162, 9.3868 by changing the saturation by 10% instead.

■ 19.6305, 17.6162,
9.3868

■ 19.6305, 17.6162,
9.3868

242.7796,
238.6988, 196.5608

■ 12.2334, 10.6748,
4.8941

■ 42.3055, 39.3822,
25.2251

■ 6.9762, 5.8486,
2.1276

■ 58.3142, 54.9757,
37.4077

■ 3.4934, 2.7532,
0.6321

■ 77.9241, 74.2219,
52.9908

■ 1.4197, 1.0043,
0.0000

■ 101.5005, 97.5053,
72.3928

■ 0.2702, 0.0000,
0.0000

■ 129.4090,
125.2103, 96.0322

■ 0.0000, 0.0000,
0.0000

162.0147,

157.7213, 124.3277

199.6831,
195.4226, 157.6977

■ 19.6305, 17.6162,
9.3868

■ 19.6305, 17.6162,
9.3868

■ 18.2308, 15.5820,
6.5613

■ 21.2658, 19.9181,
12.9181

■ 17.0528, 13.8024,
4.3918

■ 23.1468, 22.4952,
17.1983

■ 16.0831, 12.2668,
2.8234

■ 25.2846, 25.3574,
22.2683

■ 15.3057, 10.9627,
1.7918

■ 27.6893, 28.5138,
28.1655

■ 14.6881, 9.8704,
1.1454

■ 30.3702, 31.9729,
34.9251

■ 14.6696, 9.8377,
1.1257

■ 33.3362, 35.7426,
42.5803

■ 36.5960, 39.8308,
51.1623

■ 40.1576, 44.2449,
60.7009

■ 44.0288, 48.9923,
71.2247

Harmonies

Analogous

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



21.6566, 17.6162, 13.2730



19.6305, 17.6162, 9.3868



16.9842, 17.6162, 8.0394

Triad

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



19.6305, 17.6162, 9.3868



12.1797, 17.6162, 18.5037



19.1731, 17.6162, 35.1626

Complementary

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



19.6305, 17.6162, 9.3868



16.0177, 18.2923, 32.8236

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.



16.5055, 17.6162, 37.6095



19.6305, 17.6162, 9.3868



12.6363, 17.6162, 26.6243

Square

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



19.6305, 17.6162, 9.3868



12.8358, 17.6162, 12.3656



14.1547, 17.6162, 34.1458



21.3737, 17.6162, 28.1292

Rectangle

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



19.6305, 17.6162, 9.3868



15.2840, 17.6162, 8.4025



14.1547, 17.6162, 34.1458



18.2934, 17.6162, 36.6177

Sweetspot

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



19.6309, 17.6171, 9.3871



47.1066, 47.8203, 44.3156



19.5011, 13.5643, 21.0372



10.2218, 10.3225, 9.3467



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.



19.6309, 17.6171, 9.3871



32.3051, 27.3945, 11.0895



24.2790, 26.9131, 10.9365



6.3924, 6.5898, 6.5409



12.1545, 8.1913, 0.9405



0.2151, 0.1893, 0.0252

Inverse Universe

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



16.0177, 18.2923, 32.8236



25.0182, 28.7048, 58.1940



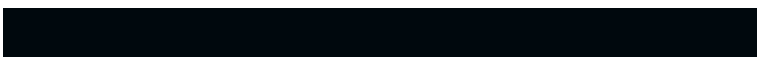
12.2295, 10.7159, 31.5608



6.1864, 6.6303, 7.8827



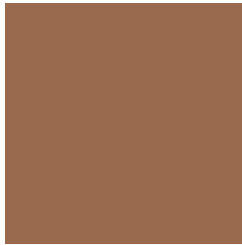
8.1382, 8.6731, 26.1529



0.1566, 0.1996, 0.4026

Previews

White Background



This preview shows how the XYZ color 19.6305, 17.6162, 9.3868 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 19.6305, 17.6162, 9.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

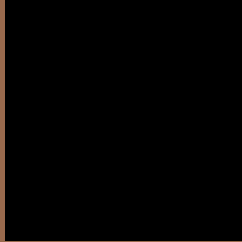
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6305, 17.6162, 9.3868

Background



This preview shows how black text looks on a background with the XYZ color 19.6305, 17.6162, 9.3868.



This preview shows how white text looks on a background with the XYZ color 19.6305, 17.6162,

9.3868.

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

19.6305, 17.6162, 9.3868

Protanopia

16.4507, 17.7523, 10.3441

Deuteranopia

18.0832, 17.7729, 9.3149



Tritanopia

21.2220, 17.6748, 16.7611

Trichromacy



Original Color

19.6305, 17.6162, 9.3868

Protanomaly

17.5064, 17.6237, 10.0684

Deuteranomaly

18.5575, 17.6934, 9.2746

Tritanomaly

20.5255, 17.5321, 13.6115

Monochromacy



Original Color

19.6305, 17.6162, 9.3868

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.5093, 17.5154, 15.0283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6305, 17.6162, 9.3868 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(153, 106, 77)` looks like.

```
.text, #text, p{  
    color:rgb(153, 106, 77)  
}
```

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(153, 106, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 106, 77) }
```

Border

The CSS property to change the border of an element to XYZ 19.6305, 17.6162, 9.3868 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(153, 106, 77) }
```


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

```
.border{ border-color:rgb(153, 106, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 106, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 106, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 106, 77);  
box-shadow:4px 4px 4px 4px rgb(153, 106,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6305, 17.6162, 9.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 106, 77) }
```

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

```
.background{ background-color: rgb(153,  
106, 77) }
```

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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