

Converting Colors

XYZ(19.3655, 16.5472, 7.9732)

Have a look what the booklet for
XYZ(19.3655, 16.5472, 7.9732)
contains.

XYZ(19.2776, 16.4338, 7.9503)	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(19.2776, 16.4338,
7.9503)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6346
RGB	156, 99, 70
RGB Percent	61%, 39%, 27%
CMY	0.3882, 0.6117, 0.7255
CMYK	0.00, 0.37, 0.55, 0.39
HSL	20°, 38%, 44%
HSV	20°, 55%, 61%
XYZ	19.2776, 16.4338, 7.9503
YIQ	112.7370, 43.2810, 3.0650

Conversions

Conversions Part 2

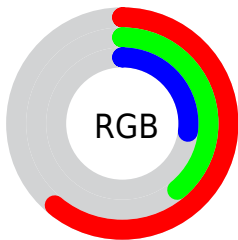
Format	Color
R _Y B	156, 114, 70
Decimal	10249030
CIE Lab	47.54, 19.90, 25.96
CIE LCh	48, 32.705, 52.527
Yxy	16.4338, 0.4415, 0.3764
Android (android.graphics.Color)	4288439110 (0xFF9C6346)
YUV	112.7370, -21.0693, 37.9417
Hunter-Lab	40.5386, 13.9407, 16.7493

Details

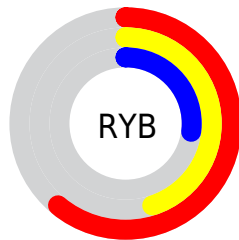
The XYZ color **19.2776, 16.4338, 7.9503** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.1154, 18.8800, 34.2471**, and the grayscale version is **15.6699, 16.4860, 17.9532**.

A 20% lighter version of the original color is **41.6767, 37.2907, 22.4540**, and **6.7813, 5.2973, 1.6423** is the 20% darker color. If you saturate the color by 10%, you get **17.9302, 14.4273, 5.3793**, and if you desaturate by 10%, it is **20.8792, 18.7440, 11.2375**.

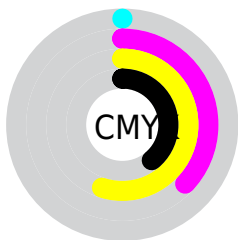
Distribution



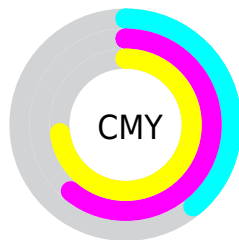
- Red (61%)
- Green (39%)
- Blue (27%)



- Red (61%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (37%)
- Yellow (55%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2776, 16.4338, 7.9503 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 19.2776, 16.4338, 7.9503 by changing the saturation by 10% instead.

■ 19.2776, 16.4338,
7.9503

■ 19.2776, 16.4338,
7.9503

240.8858,
231.8880, 185.2617

■ 11.9762, 9.8316,
3.9758

■ 41.7159, 37.3497,
22.4055

■ 6.7996, 5.2875,
1.6121

■ 57.5836, 52.4322,
33.7234

■ 3.3823, 2.4169,
0.2994

■ 77.0373, 71.1103,
48.3261

■ 1.3590, 0.8346,
0.0000

■ 100.4426, 93.7683,
66.6322

■ 0.2267, 0.0000,
0.0000

■ 128.1648,
120.7907, 89.0603

■ 0.0000, 0.0000,
0.0000

160.5691,

152.5619, 116.0289

198.0210,
189.4662, 147.9565

■ 19.2776, 16.4338,
7.9503

■ 19.2776, 16.4338,
7.9503

■ 17.9302, 14.4273,
5.3793

■ 20.8792, 18.7440,
11.2375

■ 16.8208, 12.7084,
3.4686

■ 22.7473, 21.3680,
15.2890

■ 15.9333, 11.2634,
2.1555

■ 24.8948, 24.3183,
20.1500

■ 15.2473, 10.0754,
1.3594

■ 27.3332, 27.6062,
25.8617

■ 14.9657, 9.5789,
1.0601

■ 30.0737, 31.2422,
32.4625

■ 33.1263, 35.2365,
39.9884

■ 36.5012, 39.5986,
48.4737

■ 40.2075, 44.3380,
57.9504

■ 44.2543, 49.4636,
68.4496

Harmonies

Analogous

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



21.3798, 16.4338, 12.4293



19.2776, 16.4338, 7.9503



16.3590, 16.4338, 6.2432

Triad

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



19.2776, 16.4338, 7.9503



10.7026, 16.4338, 15.8891



17.8633, 16.4338, 37.1543

Complementary

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



19.2776, 16.4338, 7.9503



16.1154, 18.8800, 34.2471

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.



14.9033, 16.4338, 38.9511



19.2776, 16.4338, 7.9503



11.0002, 16.4338, 24.7625

Square

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



19.2776, 16.4338, 7.9503



11.5864, 16.4338, 9.8072



12.4567, 16.4338, 33.8640



20.4951, 16.4338, 29.5218

Rectangle

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



19.2776, 16.4338, 7.9503



14.4373, 16.4338, 6.3656



12.4567, 16.4338, 33.8640



16.8653, 16.4338, 38.5404

Sweetspot

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



19.2780, 16.4346, 7.9506



48.6205, 48.7683, 44.5445



19.7529, 12.9893, 21.6588



10.5166, 10.4864, 9.3729



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.



19.2780, 16.4346, 7.9506



32.0916, 25.4803, 8.9158



24.4392, 26.7570, 9.6710



6.8068, 6.9936, 6.9768



12.3566, 7.9489, 0.8830



0.2579, 0.2161, 0.0281

Inverse Universe

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



16.1154, 18.8800, 34.2471



25.7069, 30.2941, 61.6192



11.7229, 10.0950, 32.7830



6.6333, 7.1323, 8.4337



9.0026, 10.0967, 27.3816



0.1984, 0.2555, 0.5021

Previews

White Background



This preview shows how the XYZ color 19.2776, 16.4338, 7.9503 looks on a white background.

Color Contrast Check

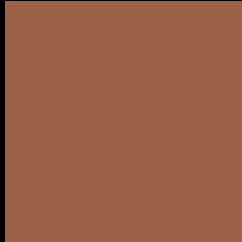
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2776, 16.4338, 7.9503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

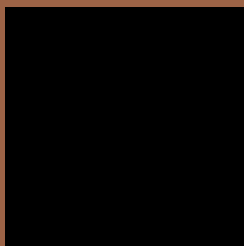
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2776, 16.4338, 7.9503

Background



This preview shows how black text looks on a background with the XYZ color 19.2776, 16.4338, 7.9503.



This preview shows how white text looks on a background with the XYZ color 19.2776, 16.4338,

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

19.2776, 16.4338, 7.9503

Protanopia

15.3780, 16.5430, 9.2201

Deuteranopia

16.7225, 16.4608, 7.7647



Tritanopia

20.5910, 16.4128, 14.6531

Trichromacy



Original Color

19.2776, 16.4338, 7.9503

Protanomaly

16.5903, 16.3704, 8.7640

Deuteranomaly

17.6274, 16.4621, 7.8787

Tritanomaly

19.9330, 16.2720, 11.7631

Monochromacy



Original Color

19.2776, 16.4338, 7.9503

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.5735, 16.2553, 13.5733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2776, 16.4338, 7.9503 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(156, 99, 70)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 70)  
}
```

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(156, 99, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 70) }
```

Border

The CSS property to change the border of an element to XYZ 19.2776, 16.4338, 7.9503 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(156, 99, 70) }
```


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

```
.border{ border-color:rgb(156, 99, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 99, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 99, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 99, 70);  
box-shadow:4px 4px 4px 4px rgb(156, 99,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2776, 16.4338, 7.9503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 70) }
```

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

```
.background{ background-color: rgb(156, 99,  
70) }
```

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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