

Converting Colors

XYZ(19.4230, 17.2216, 6.8898)

Have a look what the booklet for
XYZ(19.4230, 17.2216, 6.8898)
contains.

XYZ(19.5301, 17.3163, 6.8705)	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(19.5301, 17.3163,
6.8705)**

Conversions

Conversions Part 1

Format	Color
Hex	9C683E
RGB	156, 104, 62
RGB Percent	61%, 41%, 24%
CMY	0.3882, 0.5921, 0.7569
CMYK	0.00, 0.33, 0.60, 0.39
HSL	27°, 43%, 43%
HSV	27°, 60%, 61%
XYZ	19.5301, 17.3163, 6.8705
YIQ	114.7600, 44.4740, -2.0380

Conversions

Conversions Part 2

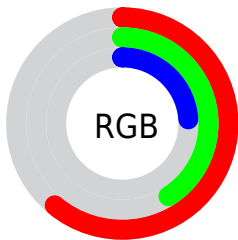
Format	Color
R_{YB}	156, 138, 62
Decimal	10250302
CIE _{Lab}	48.66, 16.36, 31.85
CIE _{LCh}	49, 35.807, 62.818
Yxy	17.3163, 0.4467, 0.3961
Android (android.graphics.Color)	4288440382 (0xFF9C683E)
YUV	114.7600, -26.0107, 36.1675
Hunter-Lab	41.6129, 10.9526, 19.3399

Details

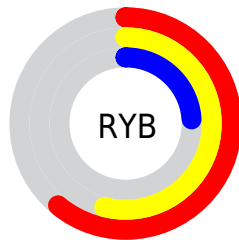
The XYZ color **19.5301, 17.3163, 6.8705** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.0044, 15.4584, 33.6980**, and the grayscale version is **16.2902, 17.1385, 18.6639**.

A 20% lighter version of the original color is **42.0312, 38.7365, 20.3005**, and **6.9311, 5.7334, 1.2717** is the 20% darker color. If you saturate the color by 10%, you get **18.3374, 15.5205, 4.6557**, and if you desaturate by 10%, it is **20.9354, 19.3408, 9.7628**.

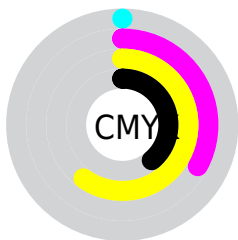
Distribution



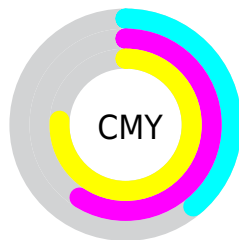
- Red (61%)
- Green (41%)
- Blue (24%)



- Red (61%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (33%)
- Yellow (60%)
- Black (39%)





- Cyan (39%)
- Magenta (59%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5301, 17.3163, 6.8705 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 19.5301, 17.3163, 6.8705 by changing the saturation by 10% instead.


 19.5301, 17.3163,
6.8705


 19.5301, 17.3163,
6.8705

242.2421,
236.9886, 176.1732


 12.1602, 10.4603,
3.3040


 42.1379, 38.8688,
20.2206


 6.9259, 5.7052,
1.2519


 58.1066, 54.3341,
30.8414

 3.4617, 2.6667,
0.0219

 77.6722, 73.4379,
44.6506

 1.4024, 0.9603,
0.0000

 101.2001, 96.5646,
62.0669

 0.2579, 0.0000,
0.0000

 129.0557,
124.0986, 83.5087

 0.0000, 0.0000,
0.0000

 161.6044,

156.4244, 109.3947

199.2114,
193.9262, 140.1433

■ 19.5301, 17.3163,
6.8705

■ 19.5301, 17.3163,
6.8705

■ 18.3374, 15.5205,
4.6557

■ 20.9354, 19.3408,
9.7628

■ 17.3426, 13.9411,
3.0595

■ 22.5643, 21.6004,
13.3828

■ 16.5306, 12.5683,
2.0142

■ 24.4281, 24.1042,
17.7771

■ 15.8822, 11.4117,
1.3656

■ 26.5372, 26.8601,
22.9880

■ 28.9010, 29.8755,
29.0548

■ 31.5287, 33.1576,
36.0141

■ 34.4288, 36.7132,
43.9005

■ 37.6094, 40.5489,
52.7467

■ 41.0783, 44.6708,
62.5838

Harmonies

Analogous

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



22.3865, 17.3163, 10.6222



19.5301, 17.3163, 6.8705



16.1487, 17.3163, 5.9070

Triad

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



19.5301, 17.3163, 6.8705



10.9006, 17.3163, 19.7620



20.1419, 17.3163, 38.6162

Complementary

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



19.5301, 17.3163, 6.8705



14.0044, 15.4584, 33.6980

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.



16.7725, 17.3163, 43.4459



19.5301, 17.3163, 6.8705



11.6821, 17.3163, 30.5153

Square

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



19.5301, 17.3163, 6.8705



11.4356, 17.3163, 11.7130



13.7273, 17.3163, 40.0749



22.7716, 17.3163, 28.4317

Rectangle

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



19.5301, 17.3163, 6.8705



14.1189, 17.3163, 6.5765



13.7273, 17.3163, 40.0749



19.0435, 17.3163, 41.0491

Sweetspot

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



19.5305, 17.3172, 6.8708



48.9786, 49.7893, 43.7239



18.5429, 11.7573, 17.5924



10.5327, 10.6404, 9.0031



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.



19.5305, 17.3172, 6.8708



32.6957, 27.2386, 7.4209



25.4436, 29.1433, 8.8419



6.8648, 7.1097, 6.9962



13.1158, 9.4671, 1.1361



0.2761, 0.2525, 0.0342

Inverse Universe

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



14.0044, 15.4584, 33.6980



21.7346, 23.5156, 60.5202



10.0708, 7.5912, 32.3868



6.5736, 7.0130, 8.4139



7.7381, 7.5677, 26.9601



0.1802, 0.2191, 0.4960

Previews

White Background



This preview shows how the XYZ color 19.5301, 17.3163, 6.8705 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 19.5301, 17.3163, 6.8705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

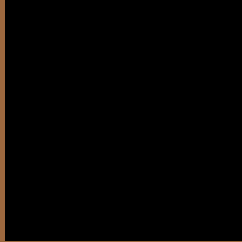
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5301, 17.3163, 6.8705

Background



This preview shows how black text looks on a background with the XYZ color 19.5301, 17.3163, 6.8705.



This preview shows how white text looks on a background with the XYZ color 19.5301, 17.3163,

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

19.5301, 17.3163, 6.8705

Protanopia

15.9812, 17.3962, 7.6698

Deuteranopia

17.5736, 17.2396, 6.8162



Tritanopia

21.3614, 17.3352, 15.8558

Trichromacy



Original Color

19.5301, 17.3163, 6.8705

Protanomaly

17.2295, 17.3733, 7.4463

Deuteranomaly

18.2375, 17.2651, 6.7862

Tritanomaly

20.5997, 17.3146, 11.9292

Monochromacy



Original Color

19.5301, 17.3163, 6.8705

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.0017, 16.9592, 13.4437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5301, 17.3163, 6.8705 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, 104, 62)` looks like.

```
.text, #text, p{  
    color:rgb(156, 104, 62)  
}
```

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, 104, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 104, 62) }
```

Border

The CSS property to change the border of an element to XYZ 19.5301, 17.3163, 6.8705 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, 104, 62) }
```


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

```
.border{ border-color:rgb(156, 104, 62) }
```

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

Here you see how a box with a 4 pixel rgb(156, 104, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 104, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 104, 62);  
box-shadow:4px 4px 4px 4px rgb(156, 104,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5301, 17.3163, 6.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 104, 62) }
```

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

```
.background{ background-color: rgb(156,  
104, 62) }
```

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