

Converting Colors

XYZ(19.6250, 17.3774, 6.6575)

Have a look what the booklet for
XYZ(19.6250, 17.3774, 6.6575)
contains.

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Color

**XYZ(19.6706, 17.3950,
6.5958)**

Conversions

Conversions Part 1

Format	Color
Hex	9D683C
RGB	157, 104, 60
RGB Percent	62%, 41%, 24%
CMY	0.3843, 0.5921, 0.7647
CMYK	0.00, 0.34, 0.62, 0.38
HSL	27°, 45%, 43%
HSV	27°, 62%, 62%
XYZ	19.6706, 17.3950, 6.5958
YIQ	114.8310, 45.7120, -2.4480

Conversions

Conversions Part 2

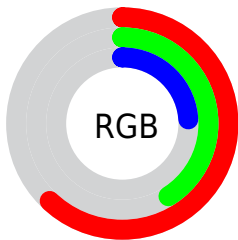
Format	Color
R_{YB}	157, 141, 60
Decimal	10315836
CIE Lab	48.75, 16.64, 33.10
CIE LCh	49, 37.045, 63.306
Yxy	17.3950, 0.4505, 0.3984
Android (android.graphics.Color)	4288505916 (0xFF9D683C)
YUV	114.8310, -27.0317, 36.9822
Hunter-Lab	41.7073, 11.1989, 19.8187

Details

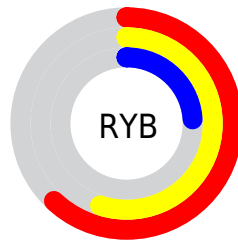
The XYZ color **19.6706, 17.3950, 6.5958** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8541, 15.2046, 34.1028**, and the grayscale version is **16.3145, 17.1641, 18.6917**.

A 20% lighter version of the original color is **42.2132, 38.8430, 19.7406**, and **7.0219, 5.7827, 1.1616** is the 20% darker color. If you saturate the color by 10%, you get **18.4957, 15.6137, 4.4516**, and if you desaturate by 10%, it is **21.0574, 19.4030, 9.4185**.

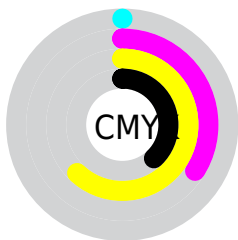
Distribution



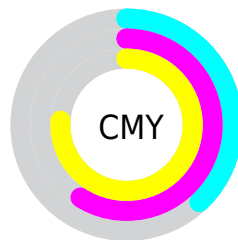
- Red (62%)
- Green (41%)
- Blue (24%)



- Red (62%)
- Yellow (55%)
- Blue (24%)



- Cyan (0%)
- Magenta (34%)
- Yellow (62%)
- Black (38%)





- Cyan (38%)
- Magenta (59%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6706, 17.3950, 6.5958 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 19.6706, 17.3950, 6.5958 by changing the saturation by 10% instead.


 19.6706, 17.3950,
6.5958


 19.6706, 17.3950,
6.5958


242.9940,
237.4385, 173.7630


 12.2627, 10.5165,
3.1360


 42.3724, 39.0037,
19.6542


 6.9963, 5.7427,
1.1645


 58.3970, 54.5027,
30.0898

 3.5061, 2.6893,
0.0000

 78.0246, 73.6439,
43.6879

 1.4267, 0.9718,
0.0000

 101.6204, 96.8119,
60.8669

 0.2751, 0.0000,
0.0000

 129.5499,
124.3909, 82.0454

 0.0000, 0.0000,
0.0000

 162.1784,

156.7655, 107.6419

199.8713,
194.3198, 138.0749

■ 19.6706, 17.3950,
6.5958

■ 19.6706, 17.3950,
6.5958

■ 18.4957, 15.6137,
4.4516

■ 21.0574, 19.4030,
9.4185

■ 17.5175, 14.0468,
2.9248

■ 22.6671, 21.6440,
12.9716

■ 16.7203, 12.6843,
1.9445

■ 24.5116, 24.1273,
17.3030

■ 16.1720, 11.7029,
1.4065

■ 26.6011, 26.8608,
22.4564

■ 28.9455, 29.8518,
28.4719

■ 31.5540, 33.1076,
35.3872

■ 34.4351, 36.6350,
43.2376

■ 37.5972, 40.4404,
52.0567

■ 41.0481, 44.5301,
61.8761

Harmonies

Analogous

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



22.6682, 17.3950, 10.3590



19.6706, 17.3950, 6.5958



16.1566, 17.3950, 5.6643

Triad

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



19.6706, 17.3950, 6.5958



10.7935, 17.3950, 20.0485



20.4183, 17.3950, 39.4710

Complementary

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



19.6706, 17.3950, 6.5958



13.8541, 15.2046, 34.1028

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.



16.9160, 17.3950, 44.6865



19.6706, 17.3950, 6.5958



11.6192, 17.3950, 31.2941

Square

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



19.6706, 17.3950, 6.5958



11.3217, 17.3950, 11.6703



13.7489, 17.3950, 41.2717



23.1401, 17.3950, 28.7350

Rectangle

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



19.6706, 17.3950, 6.5958



14.0632, 17.3950, 6.3654



13.7489, 17.3950, 41.2717



19.2772, 17.3950, 42.0685

Sweetspot

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



19.6710, 17.3959, 6.5961



48.6123, 49.3569, 42.6766



18.5209, 11.6001, 16.9893



10.4617, 10.5578, 8.7961



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.



19.6710, 17.3959, 6.5961



32.4464, 26.8969, 6.8545



25.9728, 29.9995, 8.6967



6.8685, 7.1170, 6.9974



13.1708, 9.5773, 1.1544



0.2773, 0.2548, 0.0346

Inverse Universe

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



13.8541, 15.2046, 34.1028



21.1057, 22.5903, 60.3747



9.8311, 7.1586, 32.7618



6.5699, 7.0056, 8.4126



7.6685, 7.4286, 26.9369



0.1791, 0.2168, 0.4956

Previews

White Background



This preview shows how the XYZ color 19.6706, 17.3950, 6.5958 looks on a white background.

Color Contrast Check

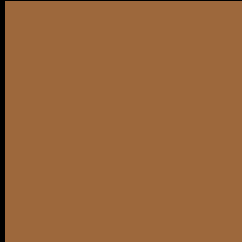
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6706, 17.3950, 6.5958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

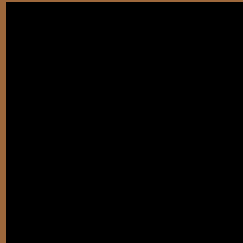
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6706, 17.3950, 6.5958

Background



This preview shows how black text looks on a background with the XYZ color 19.6706, 17.3950, 6.5958.



This preview shows how white text looks on a background with the XYZ color 19.6706, 17.3950,

6.5958.

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

19.6706, 17.3950, 6.5958

Protanopia

16.0729, 17.4501, 7.3716

Deuteranopia

17.7759, 17.5140, 6.4466



Tritanopia

21.5606, 17.4379, 15.8651

Trichromacy



Original Color

19.6706, 17.3950, 6.5958

Protanomaly

17.3388, 17.4362, 7.1543

Deuteranomaly

18.3647, 17.3368, 6.5161

Tritanomaly

20.7549, 17.3996, 11.7157

Monochromacy



Original Color

19.6706, 17.3950, 6.5958

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9559, 16.9409, 13.2027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6706, 17.3950, 6.5958 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, 104, 60)` looks like.

```
.text, #text, p{  
    color:rgb(157, 104, 60)  
}
```

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, 104, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 104, 60) }
```

Border

The CSS property to change the border of an element to XYZ 19.6706, 17.3950, 6.5958 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, 104, 60) }
```


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

```
.border{ border-color:rgb(157, 104, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 104, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 104, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 104, 60);  
box-shadow:4px 4px 4px 4px rgb(157, 104,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6706, 17.3950, 6.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 104, 60) }
```

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

```
.background{ background-color: rgb(157,  
104, 60) }
```

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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