

Converting Colors

XYZ(19.9933, 19.6497, 7.2964)

Have a look what the booklet for
XYZ(19.9933, 19.6497, 7.2964)
contains.

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Color

**XYZ(19.9933, 19.6497,
7.2964)**

Conversions

Conversions Part 1

Format	Color
Hex	97753E
RGB	151, 117, 62
RGB Percent	59%, 46%, 24%
CMY	0.4078, 0.5412, 0.7569
CMYK	0.00, 0.23, 0.59, 0.41
HSL	37°, 42%, 42%
HSV	37°, 59%, 59%
XYZ	19.9933, 19.6497, 7.2964
YIQ	120.8960, 37.9190, -9.8970

Conversions

Conversions Part 2

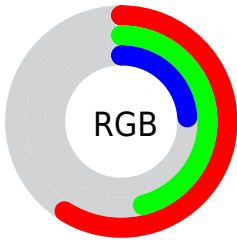
Format	Color
R_{YB}	117, 151, 62
Decimal	9925950
CIE _{Lab}	51.44, 6.68, 35.04
CIE _{LCh}	51, 35.669, 79.210
Yxy	19.6497, 0.4259, 0.4186
Android (android.graphics.Color)	4288116030 (0xFF97753E)
YUV	120.8960, -29.0357, 26.4012
Hunter-Lab	44.3280, 2.9351, 21.2704

Details

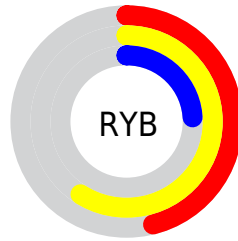
The XYZ color **19.9933, 19.6497, 7.2964** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.7552, 11.6237, 30.9021**, and the grayscale version is **18.2230, 19.1720, 20.8784**.

A 20% lighter version of the original color is **42.7893, 42.7890, 21.0428**, and **7.1441, 6.8321, 1.3941** is the 20% darker color. If you saturate the color by 10%, you get **18.9838, 18.2042, 5.1921**, and if you desaturate by 10%, it is **21.1603, 21.2260, 10.0217**.

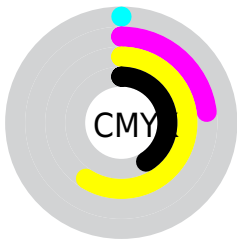
Distribution



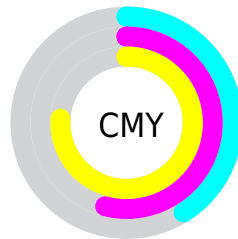
- Red (59%)
- Green (46%)
- Blue (24%)



- Red (46%)
- Yellow (59%)
- Blue (24%)



- Cyan (0%)
- Magenta (23%)
- Yellow (59%)
- Black (41%)



- Cyan (41%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9933, 19.6497, 7.2964 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 19.9933, 19.6497, 7.2964 by changing the saturation by 10% instead.

■ 19.9933, 19.6497,
7.2964

■ 19.9933, 19.6497,
7.2964

244.7131,
250.0124, 179.8276

■ 12.4984, 12.1407,
3.5669

■ 42.9100, 42.8291,
21.0900

■ 7.1587, 6.8396,
1.3909

■ 59.0625, 59.2682,
31.9912

■ 3.6087, 3.3620,
0.1346

■ 78.8316, 79.4529,
46.1200

■ 1.4833, 1.3235,
0.0000

■ 102.5826,
103.7674, 63.8950

■ 0.3144, 0.1593,
0.0000

■ 130.6809,
132.5963, 85.7347

■ 0.0000, 0.0000,
0.0000

■ 163.4918,

166.3238, 112.0577

201.3808,
205.3343, 143.2825

■ 19.9933, 19.6497,
7.2964

■ 19.9933, 19.6497,
7.2964

■ 18.9838, 18.2042,
5.1921

■ 21.1603, 21.2260,
10.0217

■ 18.1199, 16.8813,
3.6558

■ 22.4928, 22.9351,
13.4128

■ 17.3898, 15.6758,
2.6273

■ 23.9999, 24.7826,
17.5117

■ 16.7679, 14.5762,
1.9757

■ 25.6894, 26.7727,
22.3566

■ 16.7050, 14.4644,
1.9115

■ 27.5686, 28.9094,
27.9829

■ 29.6446, 31.1966,
34.4237

■ 31.9238, 33.6378,
41.7102

■ 34.4124, 36.2366,
49.8719

■ 37.1163, 38.9963,
58.9371

Harmonies

Analogous

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



23.5375, 19.6497, 9.6820



19.9933, 19.6497, 7.2964



16.5044, 19.6497, 7.6678

Triad

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



19.9933, 19.6497, 7.2964



12.9074, 19.6497, 28.5499



24.3803, 19.6497, 37.0084

Complementary

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



19.9933, 19.6497, 7.2964



11.7552, 11.6237, 30.9021

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.



21.0312, 19.6497, 45.8951



19.9933, 19.6497, 7.2964



14.5354, 19.6497, 40.0331

Square

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



19.9933, 19.6497, 7.2964



12.7042, 19.6497, 17.9168



17.4187, 19.6497, 47.1510



26.2768, 19.6497, 25.2970

Rectangle

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



19.9933, 19.6497, 7.2964



14.6586, 19.6497, 9.4778



17.4187, 19.6497, 47.1510



23.3686, 19.6497, 40.5652

Sweetspot

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



19.9938, 19.6507, 7.2968



46.1922, 48.1612, 40.5829



16.6019, 10.8714, 12.3181



10.3037, 10.7200, 8.6535



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.



19.9938, 19.6507, 7.2968



33.4305, 31.7522, 8.2301



22.8555, 28.1101, 8.7788



6.5106, 6.8262, 6.5803



14.2395, 12.3615, 1.6355



0.2478, 0.2547, 0.0361

Inverse Universe

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



11.7552, 11.6237, 30.9021



17.2845, 16.0631, 54.6232



10.0098, 7.0723, 30.1156



6.0682, 6.3938, 7.8433



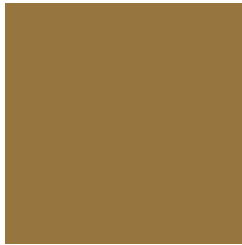
6.0514, 4.4996, 25.4573



0.1239, 0.1341, 0.3917

Previews

White Background



This preview shows how the XYZ color 19.9933, 19.6497, 7.2964 looks on a white 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

Black Background



This preview shows how the XYZ color 19.9933, 19.6497, 7.2964 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 19.9933, 19.6497, 7.2964

Background



This preview shows how black text looks on a background with the XYZ color 19.9933, 19.6497, 7.2964.



This preview shows how white text looks on a background with the XYZ color 19.9933, 19.6497,

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

19.9933, 19.6497, 7.2964

Protanopia

18.0000, 19.6870, 7.7018

Deuteranopia

19.9933, 19.6497, 7.2964



Tritanopia

22.7245, 19.7687, 20.0708

Trichromacy



Original Color

19.9933, 19.6497, 7.2964

Protanomaly

18.7191, 19.6963, 7.5178

Deuteranomaly

19.9933, 19.6497, 7.2964

Tritanomaly

21.4362, 19.5621, 14.2013

Monochromacy



Original Color

19.9933, 19.6497, 7.2964

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.5324, 19.2586, 14.7971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9933, 19.6497, 7.2964 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(151, 117, 62)` looks like.

```
.text, #text, p{  
    color:rgb(151, 117, 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(151, 117, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 117, 62) }
```

Border

The CSS property to change the border of an element to XYZ 19.9933, 19.6497, 7.2964 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(151, 117, 62) }
```


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

```
.border{ border-color:rgb(151, 117, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 117, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 117, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 117, 62);  
box-shadow:4px 4px 4px 4px rgb(151, 117,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9933, 19.6497, 7.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 117, 62) }
```

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

```
.background{ background-color: rgb(151,  
117, 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](#).

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