

Converting Colors

XYZ(19.2266, 16.4989, 12.0889)

Have a look what the booklet for
XYZ(19.2266, 16.4989, 12.0889)
contains.

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Color

**XYZ(19.2080, 16.4490,
12.0601)**

Conversions

Conversions Part 1

Format	Color
Hex	97645B
RGB	151, 100, 91
RGB Percent	59%, 39%, 36%
CMY	0.4078, 0.6078, 0.6431
CMYK	0.00, 0.34, 0.40, 0.41
HSL	9°, 25%, 47%
HSV	9°, 40%, 59%
XYZ	19.2080, 16.4490, 12.0601
YIQ	114.2230, 33.2850, 8.0130

Conversions

Conversions Part 2

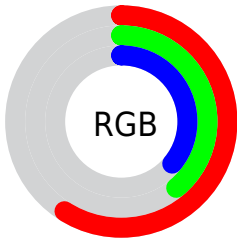
Format	Color
RYB	151, 102, 91
Decimal	9921627
CIELab	47.56, 19.46, 13.53
CIELCh	48, 23.703, 34.819
Yxy	16.4490, 0.4025, 0.3447
Android (android.graphics.Color)	4288111707 (0xFF97645B)
YUV	114.2230, -11.4489, 32.2534
Hunter-Lab	40.5574, 13.5623, 10.7597

Details

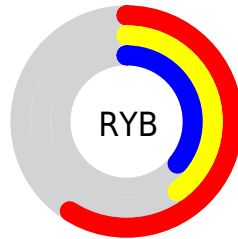
The XYZ color **19.2080, 16.4490, 12.0601** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.5728, 23.8035, 32.8411**, and the grayscale version is **16.0879, 16.9257, 18.4321**.

A 20% lighter version of the original color is **41.6065, 37.3217, 30.2102**, and **6.7838, 5.3323, 3.1543** is the 20% darker color. If you saturate the color by 10%, you get **17.4855, 13.9437, 8.5892**, and if you desaturate by 10%, it is **21.2564, 19.3962, 16.2867**.

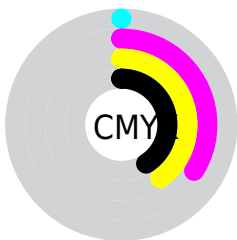
Distribution



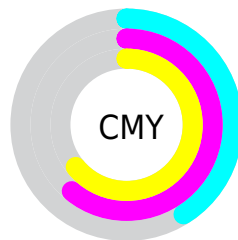
- Red (59%)
- Green (39%)
- Blue (36%)



- Red (59%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (40%)
- Black (41%)



- Cyan (41%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2080, 16.4490, 12.0601 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 19.2080, 16.4490, 12.0601 by changing the saturation by 10% instead.

■ 19.2080, 16.4490,
12.0601

■ 19.2080, 16.4490,
12.0601

240.5108,
231.9768, 215.7948

■ 11.9256, 9.8424,
6.6616

■ 41.5994, 37.3760,
30.2706

■ 6.7649, 5.2946,
3.1762

■ 57.4391, 52.4651,
43.9196

■ 3.3605, 2.4211,
1.1853

■ 76.8620, 71.1506,
61.1558

■ 1.3471, 0.8367,
0.0000

■ 100.2333, 93.8168,
82.3979

■ 0.2181, 0.0000,
0.0000

127.9185,
120.8482, 108.0643

■ 0.0000, 0.0000,
0.0000

160.2829,

152.6290, 138.5735

197.6919,
189.5438, 174.3442

■ 19.2080, 16.4490,
12.0601

■ 19.2080, 16.4490,
12.0601

■ 17.4855, 13.9437,
8.5892

■ 21.2564, 19.3962,
16.2867

■ 16.0707, 11.8566,
5.8283

■ 23.6450, 22.8028,
21.3089

■ 14.9454, 10.1655,
3.7284


■ 26.3891, 26.6881,
27.1652


■ 14.0891, 8.8451,
2.2336


■ 29.5025, 31.0697,
33.8912

■ 13.4782, 7.8670,
1.2790


■ 32.9982, 35.9644,
41.5203


 13.0711, 7.1930,
0.7110

 36.8886, 41.3879,
50.0843

 13.0622, 7.1786,
0.6972

 41.1857, 47.3557,
59.6135

 45.9007, 53.8821,
70.1367

 51.0447, 60.9814,
81.6814

Harmonies

Analogous

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



20.0366, 16.4490, 16.9515



19.2080, 16.4490, 12.0601



17.4252, 16.4490, 9.3172

Triad

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



19.2080, 16.4490, 12.0601



12.2419, 16.4490, 13.4064



15.9777, 16.4490, 32.1663

Complementary

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



19.2080, 16.4490, 12.0601



19.5728, 23.8035, 32.8411

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.



13.9704, 16.4490, 30.6206



19.2080, 16.4490, 12.0601



11.9292, 16.4490, 18.9043

Square

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



19.2080, 16.4490, 12.0601



13.4298, 16.4490, 9.9630



12.5338, 16.4490, 25.3993



18.0677, 16.4490, 29.2458

Rectangle

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



19.2080, 16.4490, 12.0601



16.0036, 16.4490, 8.6501



12.5338, 16.4490, 25.3993



15.2707, 16.4490, 32.1569

Sweetspot

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



19.2084, 16.4498, 12.0604



45.9673, 45.9695, 45.8779



21.3861, 16.0146, 27.5552



10.3139, 10.2590, 10.1411



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.



19.2084, 16.4498, 12.0604



31.5331, 25.2914, 15.8167



22.6335, 23.3000, 13.2021



6.2799, 6.3649, 6.5034



11.1264, 6.1352, 0.5978



0.1831, 0.1252, 0.0145

Inverse Universe

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



19.5728, 23.8035, 32.8411



32.2652, 40.3730, 58.5259



15.6946, 16.0470, 31.5483



6.3056, 6.8686, 7.9224



11.3732, 15.1431, 27.2312



0.1889, 0.2640, 0.4134

Previews

White Background



This preview shows how the XYZ color 19.2080, 16.4490, 12.0601 looks on a white background.

Color Contrast Check

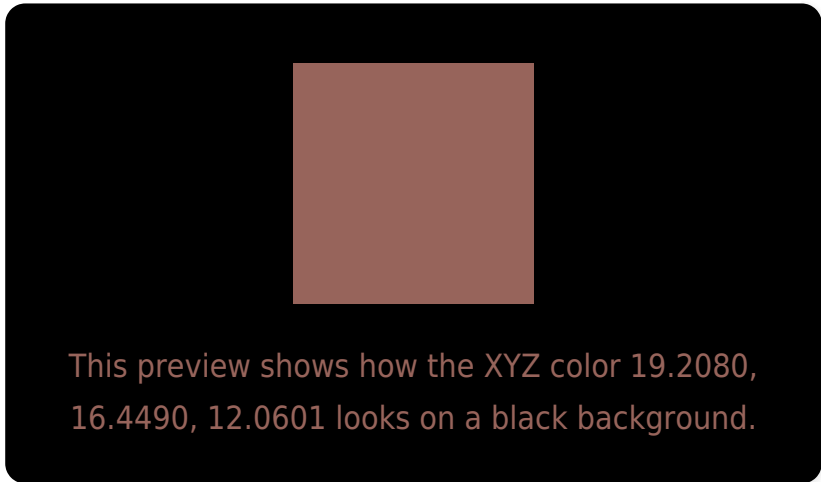
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 19.2080, 16.4490, 12.0601

Background



This preview shows how black text looks on a background with the XYZ color 19.2080, 16.4490, 12.0601.

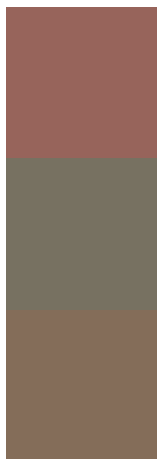


This preview shows how white text looks on a background with the XYZ color 19.2080, 16.4490,

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

19.2080, 16.4490, 12.0601

Protanopia

15.6705, 16.5953, 13.6865

Deuteranopia

16.7875, 16.5641, 11.7636



Tritanopia

19.8664, 16.4307, 15.4890

Trichromacy



Original Color

19.2080, 16.4490, 12.0601

Protanomaly

16.7882, 16.3766, 13.1026

Deuteranomaly

17.6470, 16.5352, 11.9344

Tritanomaly

19.7110, 16.5192, 14.2062

Monochromacy



Original Color

19.2080, 16.4490, 12.0601

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8226, 16.4899, 15.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2080, 16.4490, 12.0601 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, 100, 91)` looks like.

```
.text, #text, p{  
    color:rgb(151, 100, 91)  
}
```

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, 100, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 100, 91) }
```

Border

The CSS property to change the border of an element to XYZ 19.2080, 16.4490, 12.0601 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, 100, 91) }
```


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

```
.border{ border-color:rgb(151, 100, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 100, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 100, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 100, 91);  
box-shadow:4px 4px 4px 4px rgb(151, 100,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2080, 16.4490, 12.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 100, 91) }
```

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

```
.background{ background-color: rgb(151,  
100, 91) }
```

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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