

Converting Colors

XYZ(19.8893, 18.4187, 12.8612)

Have a look what the booklet for
XYZ(19.8893, 18.4187, 12.8612)
contains.

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Color

**XYZ(19.8730, 18.4551,
12.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	946F5D
RGB	148, 111, 93
RGB Percent	58%, 44%, 36%
CMY	0.4196, 0.5647, 0.6353
CMYK	0.00, 0.25, 0.37, 0.42
HSL	20°, 23%, 47%
HSV	20°, 37%, 58%
XYZ	19.8730, 18.4551, 12.8707
YIQ	120.0110, 27.8300, 2.2460

Conversions

Conversions Part 2

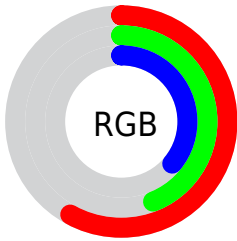
Format	Color
R_{YB}	148, 120, 93
Decimal	9727837
CIE Lab	50.04, 12.09, 15.71
CIE LCh	50, 19.829, 52.416
Yxy	18.4551, 0.3882, 0.3605
Android (android.graphics.Color)	4287917917 (0xFF946F5D)
YUV	120.0110, -13.3164, 24.5464
Hunter-Lab	42.9594, 7.3951, 12.3082

Details

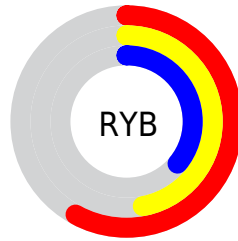
The XYZ color **19.8730, 18.4551, 12.8707** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.8419, 20.4299, 31.0201**, and the grayscale version is **17.8915, 18.8233, 20.4986**.

A 20% lighter version of the original color is **42.6837, 40.8741, 31.6264**, and **7.1145, 6.2470, 3.5202** is the 20% darker color. If you saturate the color by 10%, you get **18.2535, 16.1656, 9.4038**, and if you desaturate by 10%, it is **21.7414, 21.0393, 17.0470**.

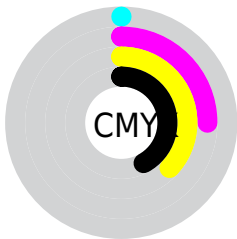
Distribution



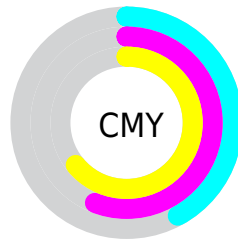
- Red (58%)
- Green (44%)
- Blue (36%)



- Red (58%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (25%)
- Yellow (37%)
- Black (42%)



- Cyan (42%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8730, 18.4551, 12.8707 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 19.8730, 18.4551, 12.8707 by changing the saturation by 10% instead.

■ 19.8730, 18.4551,
12.8707

■ 19.8730, 18.4551,
12.8707

244.0734,
243.4239, 221.2660

■ 12.4105, 11.2772,
7.2099

■ 42.7097, 40.8113,
31.7591

■ 7.0981, 6.2536,
3.5133

■ 58.8147, 56.7584,
45.8237

■ 3.5704, 2.9999,
1.3623

■ 78.5311, 76.3973,
63.5267

■ 1.4621, 1.1317,
0.1121

■ 102.2244,
100.1126, 85.2866

■ 0.2998, 0.0048,
0.0000

130.2599,
128.2884, 111.5219

■ 0.0000, 0.0000,
0.0000

163.0030,

161.3093, 142.6513

200.8191,
199.5597, 179.0931

■ 19.8730, 18.4551,
12.8707

■ 19.8730, 18.4551,
12.8707

■ 18.2535, 16.1656,
9.4038

■ 21.7414, 21.0393,
17.0470

■ 16.8703, 14.1573,
6.6051

■ 23.8679, 23.9258,
21.9684

■ 15.7114, 12.4196,
4.4309

■ 26.2628, 27.1252,
27.6695

■ 14.7635, 10.9399,
2.8318

■ 28.9354, 30.6468,
34.1825

■ 14.0112, 9.7046,
1.7508

■ 31.8947, 34.4994,
41.5378

■ 13.4315, 8.6965,
1.0913

■ 35.1490, 38.6917,
49.7640

■ 13.2880, 8.4464,
0.9300

■ 38.7066, 43.2318,
58.8885

■ 42.5752, 48.1276,
68.9376

■ 46.7623, 53.3867,
79.9364

Harmonies

Analogous

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



21.1524, 18.4551, 16.3514



19.8730, 18.4551, 12.8707



18.0292, 18.4551, 11.3815

Triad

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



19.8730, 18.4551, 12.8707



14.1527, 18.4551, 18.7406



18.9762, 18.4551, 31.4449

Complementary

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



19.8730, 18.4551, 12.8707



17.8419, 20.4299, 31.0201

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.



17.0617, 18.4551, 32.3998



19.8730, 18.4551, 12.8707



14.3660, 18.4551, 24.3692

Square

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



19.8730, 18.4551, 12.8707



14.7937, 18.4551, 14.3477



15.3990, 18.4551, 29.6142



20.6090, 18.4551, 27.2013

Rectangle

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



19.8730, 18.4551, 12.8707



16.7647, 18.4551, 11.4870



15.3990, 18.4551, 29.6142



18.3410, 18.4551, 32.1889

Sweetspot

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



19.8735, 18.4560, 12.8711



44.5663, 45.5024, 44.5696



20.1958, 15.7522, 23.3012



10.0561, 10.2304, 9.8945



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.8735, 18.4560, 12.8711



32.5449, 29.0059, 17.2986



23.2652, 25.2394, 14.0016



5.9466, 6.1070, 6.1058



11.3728, 7.2601, 0.8019



0.1639, 0.1383, 0.0181

Inverse Universe

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



17.8419, 20.4299, 31.0201



28.3905, 33.0098, 54.3098



14.7182, 14.1826, 29.9789



5.8057, 6.2455, 7.3692



8.4474, 9.5896, 25.3368



0.1304, 0.1713, 0.3191

Previews

White Background



This preview shows how the XYZ color 19.8730, 18.4551, 12.8707 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 19.8730, 18.4551, 12.8707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

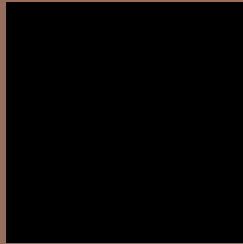
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8730, 18.4551, 12.8707

Background



This preview shows how black text looks on a background with the XYZ color 19.8730, 18.4551, 12.8707.



This preview shows how white text looks on a background with the XYZ color 19.8730, 18.4551,

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

19.8730, 18.4551, 12.8707

Protanopia

17.3587, 18.4923, 13.9637

Deuteranopia

18.7643, 18.3828, 12.6845



Tritanopia

21.0926, 18.4701, 18.9764

Trichromacy



Original Color

19.8730, 18.4551, 12.8707

Protanomaly

18.1882, 18.4036, 13.6600

Deuteranomaly

19.1646, 18.4226, 12.6710

Tritanomaly

20.5698, 18.4095, 16.6566

Monochromacy



Original Color

19.8730, 18.4551, 12.8707

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.3817, 18.5942, 17.3721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8730, 18.4551, 12.8707 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(148, 111, 93)` looks like.

```
.text, #text, p{  
    color:rgb(148, 111, 93)  
}
```

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(148, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 111, 93) }
```

Border

The CSS property to change the border of an element to XYZ 19.8730, 18.4551, 12.8707 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(148, 111, 93) }
```


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

```
.border{ border-color:rgb(148, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(148, 111,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8730, 18.4551, 12.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 111, 93) }
```

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

```
.background{ background-color: rgb(148,  
111, 93) }
```

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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