

Converting Colors

XYZ(21.8187, 21.4898, 12.0494)

Have a look what the booklet for
XYZ(21.8187, 21.4898, 12.0494)
contains.

XYZ(21.9401, 21.6263, 12.0348)	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(21.9401, 21.6263,
12.0348)**

Conversions

Conversions Part 1

Format	Color
Hex	997B57
RGB	153, 123, 87
RGB Percent	60%, 48%, 34%
CMY	0.4000, 0.5176, 0.6588
CMYK	0.00, 0.20, 0.43, 0.40
HSL	33°, 27%, 47%
HSV	33°, 43%, 60%
XYZ	21.9401, 21.6263, 12.0348
YIQ	127.8660, 29.4360, -4.8360

Conversions

Conversions Part 2

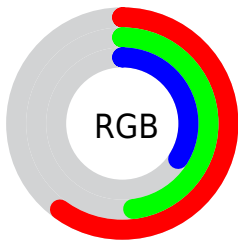
Format	Color
R_{YB}	142, 153, 87
Decimal	10058583
CIE Lab	53.63, 6.59, 24.07
CIE LCh	54, 24.954, 74.677
Yxy	21.6263, 0.3946, 0.3890
Android (android.graphics.Color)	4288248663 (0xFF997B57)
YUV	127.8660, -20.1469, 22.0425
Hunter-Lab	46.5041, 2.8321, 17.2092

Details

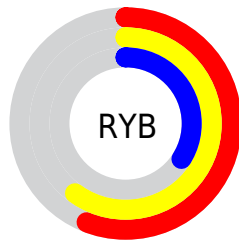
The XYZ color **21.9401, 21.6263, 12.0348** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.0414, 17.0482, 32.5821**, and the grayscale version is **20.5323, 21.6015, 23.5241**.

A 20% lighter version of the original color is **46.1398, 46.0214, 30.1181**, and **8.1045, 7.7670, 3.1698** is the 20% darker color. If you saturate the color by 10%, you get **20.5480, 19.7386, 8.8069**, and if you desaturate by 10%, it is **23.5271, 23.6916, 15.9818**.

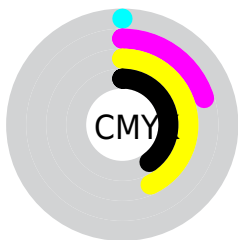
Distribution



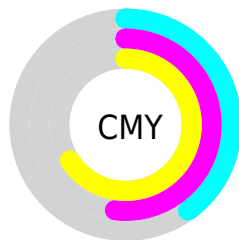
- Red (60%)
- Green (48%)
- Blue (34%)



- Red (56%)
- Yellow (60%)
- Blue (34%)



- Cyan (0%)
- Magenta (20%)
- Yellow (43%)
- Black (40%)



- Cyan (40%)
- Magenta (52%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9401, 21.6263, 12.0348 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 21.9401, 21.6263, 12.0348 by changing the saturation by 10% instead.

■ 21.9401, 21.6263,
12.0348

■ 21.9401, 21.6263,
12.0348

254.8715,
260.5885, 215.6216

■ 13.9292, 13.5826,
6.6446

■ 46.1266, 46.1276,
30.2238

■ 8.1528, 7.8309,
3.1658

■ 63.0329, 63.3539,
43.8597

■ 4.2455, 3.9869,
1.1799

■ 83.6351, 84.4099,
61.0811

■ 1.8420, 1.6663,
0.0000

■ 108.2985,
109.6799, 82.3068

■ 0.5428, 0.4017,
0.0000

■ 137.3885,
139.5484, 107.9551

■ 0.0000, 0.0000,
0.0000

171.2704,

174.3997, 138.4446

210.3097,
214.6183, 174.1940

■ 21.9401, 21.6263,
12.0348

■ 21.9401, 21.6263,
12.0348

■ 20.5480, 19.7386,
8.8069

■ 23.5271, 23.6916,
15.9818

■ 19.3394, 18.0196,
6.2519

■ 25.3163, 25.9370,
20.6877

■ 18.3042, 16.4639,
4.3202

■ 27.3165, 28.3687,
26.1906

■ 17.4303, 15.0645,
2.9547

■ 29.5356, 30.9918,
32.5259

■ 16.7034, 13.8134,
2.0876

■ 31.9808, 33.8109,
39.7269

■ 16.2656, 13.0298,
1.6577

■ 34.6593, 36.8306,
47.8249

■ 37.5776, 40.0554,
56.8495

■ 40.7421, 43.4893,
66.8294

■ 44.1589, 47.1366,
77.7916

Harmonies

Analogous

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



24.4209, 21.6263, 14.6584



21.9401, 21.6263, 12.0348



19.2833, 21.6263, 12.0074

Triad

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



21.9401, 21.6263, 12.0348



15.9835, 21.6263, 27.4671



24.3750, 21.6263, 35.6084

Complementary

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



21.9401, 21.6263, 12.0348



16.0414, 17.0482, 32.5821

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.



21.8817, 21.6263, 40.8000



21.9401, 21.6263, 12.0348



17.1206, 21.6263, 35.4541

Square

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



21.9401, 21.6263, 12.0348



15.9961, 21.6263, 19.8761



19.2297, 21.6263, 40.7382



25.9072, 21.6263, 27.6449

Rectangle

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



21.9401, 21.6263, 12.0348



17.7739, 21.6263, 13.4182



19.2297, 21.6263, 40.7382



23.6124, 21.6263, 37.8050

Sweetspot

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



21.9406, 21.6273, 12.0352



48.8754, 50.7508, 46.7768



19.8033, 14.8922, 18.9082



10.6232, 11.0031, 9.8568



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.



21.9406, 21.6273, 12.0352



36.8245, 35.3849, 15.8284



25.8369, 30.0307, 13.4519



6.4740, 6.7530, 6.5681



13.4769, 10.8362, 1.3813



0.2378, 0.2347, 0.0328

Inverse Universe

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



16.0414, 17.0482, 32.5821



24.8102, 26.0661, 57.6956



13.2972, 11.2504, 31.6076



6.1041, 6.4656, 7.8552



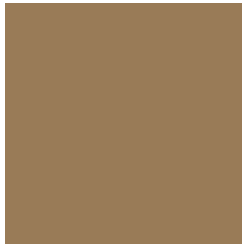
6.5710, 5.5387, 25.6304



0.1339, 0.1542, 0.3951

Previews

White Background



This preview shows how the XYZ color 21.9401, 21.6263, 12.0348 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 21.9401, 21.6263, 12.0348 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 21.9401, 21.6263, 12.0348

Background



This preview shows how black text looks on a background with the XYZ color 21.9401, 21.6263, 12.0348.



This preview shows how white text looks on a background with the XYZ color 21.9401, 21.6263,

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

21.9401, 21.6263, 12.0348

Protanopia

20.1698, 21.6486, 12.5667

Deuteranopia

22.1297, 21.7241, 12.0436



Tritanopia

24.2138, 21.6573, 22.9827

Trichromacy



Original Color

21.9401, 21.6263, 12.0348

Protanomaly

20.7239, 21.5556, 12.3009

Deuteranomaly

22.1297, 21.7241, 12.0436

Tritanomaly

23.3514, 21.6707, 18.2813

Monochromacy



Original Color

21.9401, 21.6263, 12.0348

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7580, 21.4323, 18.6656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9401, 21.6263, 12.0348 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(153, 123, 87)` looks like.

```
.text, #text, p{  
    color:rgb(153, 123, 87)  
}
```

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(153, 123, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 123, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.9401, 21.6263, 12.0348 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(153, 123, 87) }
```


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

```
.border{ border-color:rgb(153, 123, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 123, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 123, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 123, 87);  
box-shadow:4px 4px 4px 4px rgb(153, 123,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9401, 21.6263, 12.0348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 123, 87) }
```

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

```
.background{ background-color: rgb(153,  
123, 87) }
```

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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