

Converting Colors

XYZ(21.5284, 21.1218, 16.1198)

Have a look what the booklet for
XYZ(21.5284, 21.1218, 16.1198)
contains.

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Color

**XYZ(21.4908, 21.1216,
16.0409)**

Conversions

Conversions Part 1

Format	Color
Hex	937A68
RGB	147, 122, 104
RGB Percent	58%, 48%, 41%
CMY	0.4235, 0.5216, 0.5922
CMYK	0.00, 0.17, 0.29, 0.42
HSL	25°, 17%, 49%
HSV	25°, 29%, 58%
XYZ	21.4908, 21.1216, 16.0409
YIQ	127.4230, 20.6780, -0.2980

Conversions

Conversions Part 2

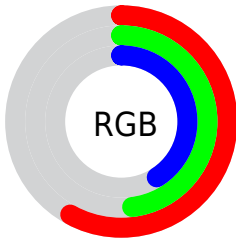
Format	Color
R_{YB}	147, 135, 104
Decimal	9665128
CIE _{Lab}	53.08, 6.84, 13.48
CIE _{LCh}	53, 15.114, 63.094
Yxy	21.1216, 0.3664, 0.3601
Android (android.graphics.Color)	4287855208 (0xFF937A68)
YUV	127.4230, -11.5475, 17.1690
Hunter-Lab	45.9582, 3.0425, 11.4767

Details

The XYZ color **21.4908, 21.1216, 16.0409** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.8253, 20.7494, 30.6165**, and the grayscale version is **20.3523, 21.4123, 23.3179**.

A 20% lighter version of the original color is **45.4096, 45.1952, 37.3406**, and **7.9449, 7.5473, 4.9089** is the 20% darker color. If you saturate the color by 10%, you get **19.8049, 18.8422, 12.1107**, and if you desaturate by 10%, it is **23.4003, 23.6396, 20.6883**.

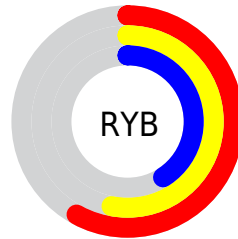
Distribution



Red (58%)

Green (48%)

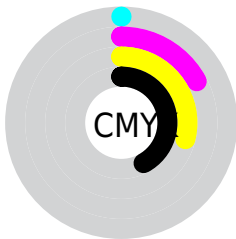
Blue (41%)



Red (58%)

Yellow (53%)

Blue (41%)

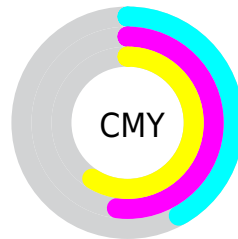


Cyan (0%)

Magenta (17%)

Yellow (29%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4908, 21.1216, 16.0409 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 21.4908, 21.1216, 16.0409 by changing the saturation by 10% instead.

■ 21.4908, 21.1216,
16.0409

■ 21.4908, 21.1216,
16.0409

252.5581,
257.9240, 241.4369

■ 13.5977, 13.2129,
9.3984

■ 45.3881, 45.2898,
37.4370

■ 7.9212, 7.5753,
4.9016

■ 62.1230, 62.3182,
53.0277

■ 4.0960, 3.8244,
2.1319

■ 82.5360, 83.1552,
72.4382

■ 1.7566, 1.5758,
0.6347

■ 106.9923,
108.1852, 96.0870

■ 0.4913, 0.3412,
0.0000

135.8573,
137.7927, 124.3928

■ 0.0000, 0.0000,
0.0000

169.4963,

172.3621, 157.7740

208.2748,
212.2778, 196.6492

■ 21.4908, 21.1216,
16.0409

■ 21.4908, 21.1216,
16.0409

■ 19.8049, 18.8422,
12.1107

■ 23.4003, 23.6396,
20.6883

■ 18.3317, 16.7911,
8.8601

■ 25.5403, 26.4002,
26.0855

■ 17.0621, 14.9613,
6.2498

■ 27.9194, 29.4114,
32.2644

■ 15.9853, 13.3444,
4.2362

■ 30.5452, 32.6794,
39.2548

■ 15.0894, 11.9314,
2.7698

■ 33.4250, 36.2105,
47.0849

■ 14.3609, 10.7123,
1.7932

■ 36.5658, 40.0108,
55.7816

■ 13.7714, 9.6710,
1.1725

■ 39.9743, 44.0859,
65.3705

■ 13.7307, 9.5992,
1.1291

■ 43.6569, 48.4415,
75.8763

■ 47.6198, 53.0829,
87.3225

Harmonies

Analogous

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



22.7469, 21.1216, 18.5412



21.4908, 21.1216, 16.0409



19.9109, 21.1216, 15.3168

Triad

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



21.4908, 21.1216, 16.0409



17.1751, 21.1216, 23.4736



21.7912, 21.1216, 31.1397

Complementary

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



21.4908, 21.1216, 16.0409



18.8253, 20.7494, 30.6165

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.



20.2409, 21.1216, 32.8942



21.4908, 21.1216, 16.0409



17.6218, 21.1216, 28.1169

Square

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



21.4908, 21.1216, 16.0409



17.4710, 21.1216, 19.2592



18.7236, 21.1216, 31.7216



22.9267, 21.1216, 27.1915

Rectangle

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



21.4908, 21.1216, 16.0409



18.9001, 21.1216, 15.8481



18.7236, 21.1216, 31.7216



21.2985, 21.1216, 32.0275

Sweetspot

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



21.4914, 21.1226, 16.0413



45.7660, 47.3134, 46.7838



20.9510, 17.6911, 23.1085



10.3244, 10.6433, 10.3653



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.



21.4914, 21.1226, 16.0413



36.4899, 35.1384, 24.0317



24.4164, 26.9727, 17.0164



5.9884, 6.1906, 6.1197



11.9273, 8.3690, 0.9867



0.1740, 0.1585, 0.0214

Inverse Universe

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



18.8253, 20.7494, 30.6165



30.9260, 34.3551, 54.4358



16.2943, 15.6873, 29.7728



5.7626, 6.1593, 7.3549



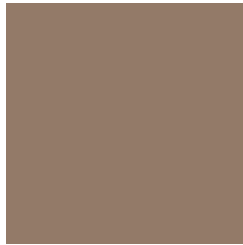
7.4379, 7.5705, 25.0003



0.1202, 0.1511, 0.3157

Previews

White Background



This preview shows how the XYZ color 21.4908, 21.1216, 16.0409 looks on a white background.

Color Contrast Check

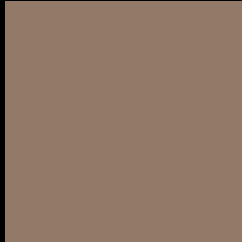
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4908, 21.1216, 16.0409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

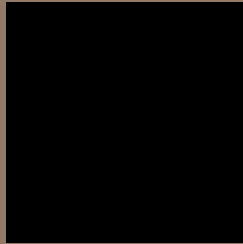
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4908, 21.1216, 16.0409

Background



This preview shows how black text looks on a background with the XYZ color 21.4908, 21.1216, 16.0409.



This preview shows how white text looks on a background with the XYZ color 21.4908, 21.1216,

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

21.4908, 21.1216, 16.0409

Protanopia

20.0224, 21.2877, 16.6893

Deuteranopia

21.4908, 21.1216, 16.0409



Tritanopia

23.0708, 21.2362, 23.3051

Trichromacy



Original Color

21.4908, 21.1216, 16.0409

Protanomaly

20.5309, 21.1761, 16.3699

Deuteranomaly

21.4908, 21.1216, 16.0409

Tritanomaly

22.4407, 21.1544, 20.3532

Monochromacy



Original Color

21.4908, 21.1216, 16.0409

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4949, 21.0675, 20.4390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4908, 21.1216, 16.0409 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(147, 122, 104)` looks like.

```
.text, #text, p{  
    color:rgb(147, 122, 104)  
}
```

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(147, 122, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 122, 104) }
```

Border

The CSS property to change the border of an element to XYZ 21.4908, 21.1216, 16.0409 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(147, 122, 104) }
```


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

```
.border{ border-color:rgb(147, 122, 104) }
```

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

Here you see how a box with a 4 pixel rgb(147, 122, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 122, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 122, 104);  
box-shadow:4px 4px 4px 4px rgb(147, 122,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4908, 21.1216, 16.0409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 122, 104) }
```

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

```
.background{ background-color: rgb(147,  
122, 104) }
```

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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