

Converting Colors

XYZ(21.7448, 21.2506, 17.0724)

Have a look what the booklet for
XYZ(21.7448, 21.2506, 17.0724)
contains.

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Color

**XYZ(21.6989, 21.2048,
17.1366)**

Conversions

Conversions Part 1

Format	Color
Hex	937A6C
RGB	147, 122, 108
RGB Percent	58%, 48%, 42%
CMY	0.4235, 0.5216, 0.5765
CMYK	0.00, 0.17, 0.27, 0.42
HSL	22°, 15%, 50%
HSV	22°, 27%, 58%
XYZ	21.6989, 21.2048, 17.1366
YIQ	127.8790, 19.3940, 0.9460

Conversions

Conversions Part 2

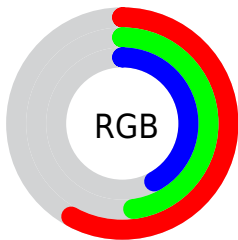
Format	Color
R_{YB}	147, 130, 108
Decimal	9665132
CIE _{Lab}	53.17, 7.43, 11.28
CIE _{LCh}	53, 13.508, 56.635
Yxy	21.2048, 0.3614, 0.3532
Android (android.graphics.Color)	4287855212 (0xFF937A6C)
YUV	127.8790, -9.8003, 16.7691
Hunter-Lab	46.0487, 3.5270, 10.1698

Details

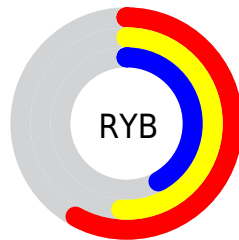
The XYZ color **21.6989, 21.2048, 17.1366** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8381, 22.0691, 30.8180**, and the grayscale version is **20.5045, 21.5723, 23.4923**.

A 20% lighter version of the original color is **45.7512, 45.3319, 39.1395**, and **8.0487, 7.5888, 5.4555** is the 20% darker color. If you saturate the color by 10%, you get **19.8804, 18.7159, 12.9906**, and if you desaturate by 10%, it is **23.7627, 23.9728, 22.0157**.

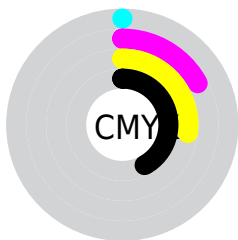
Distribution



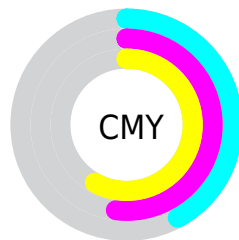
- Red (58%)
- Green (48%)
- Blue (42%)



- Red (58%)
- Yellow (51%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (27%)
- Black (42%)



- Cyan (42%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6989, 21.2048, 17.1366 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 21.6989, 21.2048, 17.1366 by changing the saturation by 10% instead.

■ 21.6989, 21.2048,
17.1366

■ 21.6989, 21.2048,
17.1366

253.6318,
258.3649, 248.0289

■ 13.7512, 13.2738,
10.1689

■ 45.7304, 45.4281,
39.3544

■ 8.0284, 7.6173,
5.4040

■ 62.5449, 62.4892,
55.4415

■ 4.1651, 3.8511,
2.4234

■ 83.0457, 83.3625,
75.4056

■ 1.7959, 1.5906,
0.7991

■ 107.5982,
108.4323, 99.6652

■ 0.5152, 0.3513,
0.0000

136.5677,
138.0830, 128.6388

■ 0.0000, 0.0000,
0.0000

170.3195,

172.6991, 162.7449

209.2191,
212.6650, 202.4021

■ 21.6989, 21.2048,
17.1366

■ 21.6989, 21.2048,
17.1366

■ 19.8804, 18.7159,
12.9906

■ 23.7627, 23.9728,
22.0157

■ 18.2956, 16.4941,
9.5406

■ 26.0792, 27.0256,
27.6599

■ 16.9347, 14.5310,
6.7479

■ 28.6578, 30.3722,
34.1011

■ 15.7862, 12.8163,
4.5698

■ 31.5067, 34.0205,
41.3688

■ 14.8376, 11.3393,
2.9582

■ 34.6337, 37.9780,
49.4911

■ 14.0747, 10.0879,
1.8579

■ 38.0464, 42.2519,
58.4947

■ 13.4772, 9.0475,
1.1825

■ 41.7522, 46.8493,
68.4052

■ 13.2958, 8.7294,
0.9842

■ 45.7578, 51.7770,
79.2470

■ 50.0702, 57.0415,
91.0438

Harmonies

Analogous

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



22.7036, 21.2048, 19.7470



21.6989, 21.2048, 17.1366



20.3157, 21.2048, 16.1090

Triad

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



21.6989, 21.2048, 17.1366



17.5418, 21.2048, 22.6310



21.4077, 21.2048, 30.8349

Complementary

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



21.6989, 21.2048, 17.1366



19.8381, 22.0691, 30.8180

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.



19.9942, 21.2048, 31.8388



21.6989, 21.2048, 17.1366



17.8038, 21.2048, 26.7870

Square

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



21.6989, 21.2048, 17.1366



17.9522, 21.2048, 19.0370



18.6852, 21.2048, 30.2798



22.5300, 21.2048, 27.6773

Rectangle

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



21.6989, 21.2048, 17.1366



19.3805, 21.2048, 16.3579



18.6852, 21.2048, 30.2798



20.9489, 21.2048, 31.4504

Sweetspot

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



21.6995, 21.2058, 17.1370



45.9945, 47.4698, 47.7868



21.6532, 18.6315, 24.7724



10.3626, 10.6566, 10.5726



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.



21.6995, 21.2058, 17.1370



36.8136, 35.1862, 25.9880



24.2865, 26.3799, 17.9994



5.9611, 6.1359, 6.1106



11.5485, 7.6115, 0.8605



0.1674, 0.1453, 0.0192

Inverse Universe

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



19.8381, 22.0691, 30.8180



32.8844, 37.0011, 54.8433



17.4514, 17.2958, 30.0225



5.7907, 6.2154, 7.3642



8.0767, 8.8482, 25.2132



0.1268, 0.1643, 0.3179

Previews

White Background



This preview shows how the XYZ color 21.6989, 21.2048, 17.1366 looks on a white background.

Color Contrast Check

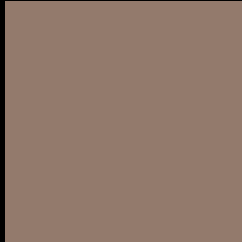
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6989, 21.2048, 17.1366 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 21.6989, 21.2048, 17.1366

Background



This preview shows how black text looks on a background with the XYZ color 21.6989, 21.2048, 17.1366.



This preview shows how white text looks on a background with the XYZ color 21.6989, 21.2048,

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

21.6989, 21.2048, 17.1366

Protanopia

20.0767, 21.2911, 17.8033

Deuteranopia

21.5204, 21.1128, 17.1283



Tritanopia

22.8875, 21.1417, 23.2965

Trichromacy



Original Color

21.6989, 21.2048, 17.1366

Protanomaly

20.5752, 21.1746, 17.4707

Deuteranomaly

21.5204, 21.1128, 17.1283

Tritanomaly

22.3804, 21.1093, 20.9841

Monochromacy



Original Color

21.6989, 21.2048, 17.1366

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.9037, 21.4531, 21.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6989, 21.2048, 17.1366 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(147, 122, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 122, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.6989, 21.2048, 17.1366 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, 108) }
```


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

```
.border{ border-color:rgb(147, 122, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 122, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 122, 108);  
box-shadow:4px 4px 4px 4px rgb(147, 122,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6989, 21.2048, 17.1366 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, 108) }
```

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

```
.background{ background-color: rgb(147,  
122, 108) }
```

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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