

Converting Colors

XYZ(21.2412, 22.0965, 17.3329)

Have a look what the booklet for
XYZ(21.2412, 22.0965, 17.3329)
contains.

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Color

**XYZ(21.2412, 22.0965,
17.3329)**

Conversions

Conversions Part 1

Format	Color
Hex	8C806C
RGB	140, 128, 108
RGB Percent	55%, 50%, 42%
CMY	0.4510, 0.4980, 0.5765
CMYK	0.00, 0.09, 0.23, 0.45
HSL	38°, 13%, 49%
HSV	38°, 23%, 55%
XYZ	21.2412, 22.0965, 17.3329
YIQ	129.3080, 13.5720, -3.6760

Conversions

Conversions Part 2

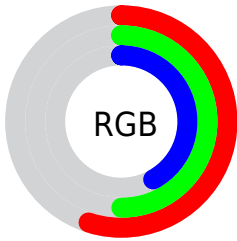
Format	Color
R_{YB}	127, 140, 108
Decimal	9207916
CIE _{Lab}	54.13, 1.14, 12.52
CIE _{LCh}	54, 12.572, 84.784
Yxy	22.0965, 0.3501, 0.3642
Android (android.graphics.Color)	4287397996 (0xFF8C806C)
YUV	129.3080, -10.5048, 9.3769
Hunter-Lab	47.0069, -1.6026, 11.0428

Details

The XYZ color **21.2412, 22.0965, 17.3329** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.6344, 18.5142, 27.4553**, and the grayscale version is **21.0071, 22.1011, 24.0681**.

A 20% lighter version of the original color is **45.0300, 47.0203, 39.5034**, and **7.8547, 8.1025, 5.5648** is the 20% darker color. If you saturate the color by 10%, you get **19.8883, 20.4888, 13.4964**, and if you desaturate by 10%, it is **22.7504, 23.8249, 21.8123**.

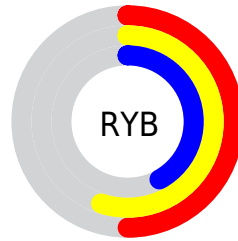
Distribution



Red (55%)

Green (50%)

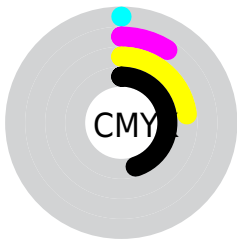
Blue (42%)



Red (50%)

Yellow (55%)

Blue (42%)

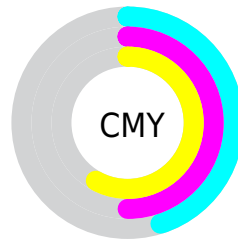


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (45%)



Cyan (45%)

Magenta (50%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2412, 22.0965, 17.3329 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 21.2412, 22.0965, 17.3329 by changing the saturation by 10% instead.

■ 21.2412, 22.0965,
17.3329

■ 21.2412, 22.0965,
17.3329

251.2651,
263.0498, 249.1921

■ 13.4139, 13.9278,
10.3077

■ 44.9769, 46.9054,
39.6957

■ 7.7931, 8.0705,
5.4952

■ 61.6159, 64.3145,
55.8704

■ 4.0135, 4.1401,
2.4768

■ 81.9230, 85.5725,
75.9320

■ 1.7098, 1.7522,
0.8278

■ 106.2633,
111.0637, 100.2990

■ 0.4624, 0.4571,
0.0000

135.0024,
141.1727, 129.3899

■ 0.0000, 0.0000,
0.0000

168.5054,

176.2838, 163.6234

207.1379,
216.7814, 203.4180

■ 21.2412, 22.0965,
17.3329

■ 21.2412, 22.0965,
17.3329

■ 19.8883, 20.4888,
13.4964

■ 22.7504, 23.8249,
21.8123

■ 18.6837, 18.9955,
10.2714

■ 24.4199, 25.6742,
26.9616

■ 17.6213, 17.6140,
7.6255

■ 26.2559, 27.6484,
32.8076

■ 16.6937, 16.3405,
5.5231

■ 28.2636, 29.7504,
39.3754

■ 15.8929, 15.1709,
3.9244

■ 30.4479, 31.9830,
46.6888

■ 15.2098, 14.1006,
2.7843

■ 32.8136, 34.3487,
54.7706

■ 14.6336, 13.1244,
2.0492

■ 35.3653, 36.8503,
63.6424

■ 14.2651, 12.4751,
1.6561

■ 38.1074, 39.4902,
73.3252

■ 41.0442, 42.2708,
83.8390

Harmonies

Analogous

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



22.5497, 22.0965, 18.4342



21.2412, 22.0965, 17.3329



19.9226, 22.0965, 17.8688

Triad

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



21.2412, 22.0965, 17.3329



18.7117, 22.0965, 27.3443



23.2164, 22.0965, 28.6517

Complementary

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



21.2412, 22.0965, 17.3329



17.6344, 18.5142, 27.4553

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.



22.1198, 22.0965, 31.5362



21.2412, 22.0965, 17.3329



19.5269, 22.0965, 30.7260

Square

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



21.2412, 22.0965, 17.3329



18.4991, 22.0965, 23.3835



20.7647, 22.0965, 32.3334



23.7212, 22.0965, 24.7481

Rectangle

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



21.2412, 22.0965, 17.3329



19.2097, 22.0965, 19.1162



20.7647, 22.0965, 32.3334



22.9026, 22.0965, 29.7887

Sweetspot

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



21.2418, 22.0975, 17.3334



41.7547, 43.8389, 43.4910



19.5844, 17.6634, 20.2317



9.5881, 10.0648, 9.9188



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.2418, 22.0975, 17.3334



36.2921, 37.5964, 27.2336



22.2818, 25.0957, 17.8573



5.2761, 5.5350, 5.3427



12.6944, 11.1232, 1.4779



0.0984, 0.1021, 0.0145

Inverse Universe

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



17.6344, 18.5142, 27.4553



28.8727, 30.2278, 48.0558



16.7447, 16.0462, 27.0259



4.9183, 5.1795, 6.3464



5.3345, 3.9392, 22.5249



0.0487, 0.0527, 0.1541

Previews

White Background



This preview shows how the XYZ color 21.2412, 22.0965, 17.3329 looks on a white background.

Color Contrast Check

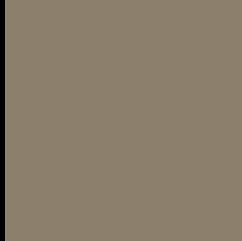
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2412, 22.0965, 17.3329 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

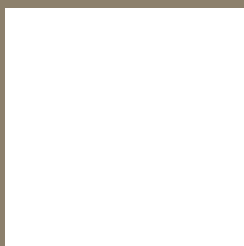
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2412, 22.0965, 17.3329

Background



This preview shows how black text looks on a background with the XYZ color 21.2412, 22.0965, 17.3329.



This preview shows how white text looks on a background with the XYZ color 21.2412, 22.0965,

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

21.2412, 22.0965, 17.3329

Protanopia

20.9271, 22.1230, 17.6352

Deuteranopia

22.4884, 22.1609, 17.5602



Tritanopia

22.8384, 21.9762, 25.5924

Trichromacy



Original Color

21.2412, 22.0965, 17.3329

Protanomaly

21.0918, 22.2079, 17.6429

Deuteranomaly

22.0752, 22.1368, 17.5773

Tritanomaly

22.1906, 21.8987, 22.4593

Monochromacy



Original Color

21.2412, 22.0965, 17.3329

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.9743, 22.0675, 21.2432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2412, 22.0965, 17.3329 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(140, 128, 108)` looks like.

```
.text, #text, p{  
    color:rgb(140, 128, 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(140, 128, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 128, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.2412, 22.0965, 17.3329 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(140, 128, 108) }
```


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

```
.border{ border-color:rgb(140, 128, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 128, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 128, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 128, 108);  
box-shadow:4px 4px 4px 4px rgb(140, 128,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2412, 22.0965, 17.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 128, 108) }
```

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

```
.background{ background-color: rgb(140,  
128, 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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