

Converting Colors

XYZ(21.7835, 20.4399, 12.3038)

Have a look what the booklet for
XYZ(21.7835, 20.4399, 12.3038)
contains.

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Color

**XYZ(21.8748, 20.5118,
12.2574)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7559
RGB	156, 117, 89
RGB Percent	61%, 46%, 35%
CMY	0.3882, 0.5412, 0.6510
CMYK	0.00, 0.25, 0.43, 0.39
HSL	25°, 27%, 48%
HSV	25°, 43%, 61%
XYZ	21.8748, 20.5118, 12.2574
YIQ	125.4690, 32.2320, -0.4400

Conversions

Conversions Part 2

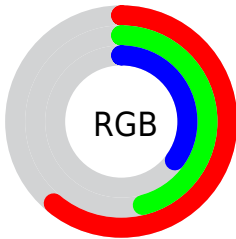
Format	Color
R_{YB}	156, 137, 89
Decimal	10253657
CIE _{Lab}	52.41, 11.54, 21.38
CIE _{LCh}	52, 24.294, 61.649
Yxy	20.5118, 0.4003, 0.3754
Android (android.graphics.Color)	4288443737 (0xFF9C7559)
YUV	125.4690, -17.9792, 26.7757
Hunter-Lab	45.2900, 6.9571, 15.6566

Details

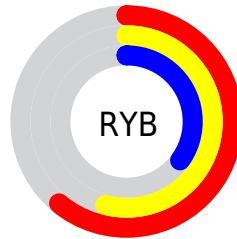
The XYZ color **21.8748, 20.5118, 12.2574** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.8394, 19.9617, 34.3653**, and the grayscale version is **19.7029, 20.7290, 22.5739**.

A 20% lighter version of the original color is **45.9995, 44.2371, 30.5403**, and **8.1577, 7.3142, 3.2673** is the 20% darker color. If you saturate the color by 10%, you get **20.2809, 18.2635, 8.8295**, and if you desaturate by 10%, it is **23.7113, 23.0229, 16.4515**.

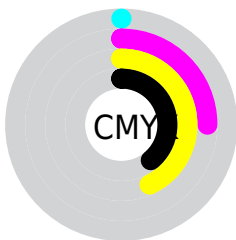
Distribution



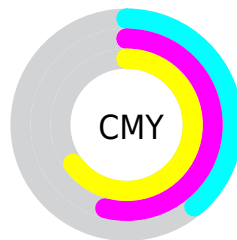
- Red (61%)
- Green (46%)
- Blue (35%)



- Red (61%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (25%)
- Yellow (43%)
- Black (39%)



- Cyan (39%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8748, 20.5118, 12.2574 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 21.8748, 20.5118, 12.2574 by changing the saturation by 10% instead.

■ 21.8748, 20.5118,
12.2574

■ 21.8748, 20.5118,
12.2574

254.5364,
254.6725, 217.1400

■ 13.8810, 12.7676,
6.7946

■ 46.0194, 44.2736,
30.6344

■ 8.1191, 7.2687,
3.2575

■ 62.9009, 61.0600,
44.3857

■ 4.2237, 3.6307,
1.2276

■ 83.4757, 81.6293,
61.7369

■ 1.8295, 1.4692,
0.0013

■ 108.1091,
106.3658, 83.1065

■ 0.5353, 0.2669,
0.0000

■ 137.1666,
135.6540, 108.9130

■ 0.0000, 0.0000,
0.0000

171.0134,

169.8783, 139.5751

210.0149,
209.4229, 175.5113

■ 21.8748, 20.5118,
12.2574

■ 21.8748, 20.5118,
12.2574

■ 20.2809, 18.2635,
8.8295

■ 23.7113, 23.0229,
16.4515

■ 18.9161, 16.2657,
6.1191

■ 25.7995, 25.8026,
21.4539

■ 17.7682, 14.5093,
4.0735

■ 28.1503, 28.8602,
27.3054

■ 16.8227, 12.9834,
2.6323

■ 30.7731, 32.2038,
34.0432

■ 16.0627, 11.6760,
1.7237

■ 33.6769, 35.8409,
41.7027

■ 15.6123, 10.8718,
1.2756

■ 36.8703, 39.7788,
50.3171

■ 40.3616, 44.0245,
59.9180

■ 44.1586, 48.5849,
70.5356

■ 48.2688, 53.4665,
82.1987

Harmonies

Analogous

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



23.8923, 20.5118, 15.8472



21.8748, 20.5118, 12.2574



19.3576, 20.5118, 11.1845

Triad

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



21.8748, 20.5118, 12.2574



15.0650, 20.5118, 22.7332



22.1351, 20.5118, 36.2619

Complementary

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



21.8748, 20.5118, 12.2574



17.8394, 19.9617, 34.3653

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.



19.6348, 20.5118, 39.1633



21.8748, 20.5118, 12.2574



15.6748, 20.5118, 30.3857

Square

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



21.8748, 20.5118, 12.2574



15.5553, 20.5118, 16.4006



17.2960, 20.5118, 36.8131



24.0514, 20.5118, 29.5491

Rectangle

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



21.8748, 20.5118, 12.2574



17.7717, 20.5118, 11.8060



17.2960, 20.5118, 36.8131



21.3281, 20.5118, 37.7729

Sweetspot

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



21.8753, 20.5128, 12.2578



50.9896, 52.2389, 49.2419



21.1846, 15.7736, 22.3791



11.0170, 11.2329, 10.3242



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8753, 20.5128, 12.2578



36.8141, 33.1405, 15.9919



26.4865, 29.7352, 13.7949



6.8495, 7.0789, 6.9910



12.8925, 9.0207, 1.0617



0.2713, 0.2429, 0.0326

Inverse Universe

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



17.8394, 19.9617, 34.3653



28.4398, 31.9765, 61.7999



14.1755, 12.6339, 33.1440



6.5893, 7.0443, 8.4191



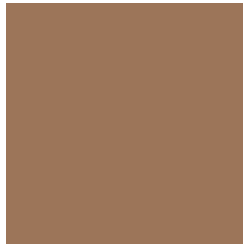
8.0448, 8.1812, 27.0624



0.1850, 0.2287, 0.4976

Previews

White Background



This preview shows how the XYZ color 21.8748, 20.5118, 12.2574 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 21.8748, 20.5118, 12.2574 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 21.8748, 20.5118, 12.2574

Background



This preview shows how black text looks on a background with the XYZ color 21.8748, 20.5118, 12.2574.



This preview shows how white text looks on a background with the XYZ color 21.8748, 20.5118,

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

21.8748, 20.5118, 12.2574

Protanopia

19.1409, 20.5259, 13.3090

Deuteranopia

20.8723, 20.5271, 12.0946



Tritanopia

23.6544, 20.5617, 20.8112

Trichromacy



Original Color

21.8748, 20.5118, 12.2574

Protanomaly

20.0466, 20.4426, 13.0145

Deuteranomaly

21.3072, 20.5736, 12.0806

Tritanomaly

22.8782, 20.4079, 17.2013

Monochromacy



Original Color

21.8748, 20.5118, 12.2574

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0375, 20.3232, 18.1959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8748, 20.5118, 12.2574 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(156, 117, 89)` looks like.

```
.text, #text, p{  
    color:rgb(156, 117, 89)  
}
```

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(156, 117, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 117, 89) }
```

Border

The CSS property to change the border of an element to XYZ 21.8748, 20.5118, 12.2574 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(156, 117, 89) }
```


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

```
.border{ border-color:rgb(156, 117, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 117, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 117, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 117, 89);  
box-shadow:4px 4px 4px 4px rgb(156, 117,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8748, 20.5118, 12.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 117, 89) }
```

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

```
.background{ background-color: rgb(156,  
117, 89) }
```

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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