

Converting Colors

XYZ(21.4408, 19.4444, 12.4518)

Have a look what the booklet for
XYZ(21.4408, 19.4444, 12.4518)
contains.

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Color

**XYZ(21.3928, 19.4116,
12.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	9C705B
RGB	156, 112, 91
RGB Percent	61%, 44%, 36%
CMY	0.3882, 0.5608, 0.6431
CMYK	0.00, 0.28, 0.42, 0.39
HSL	19°, 26%, 48%
HSV	19°, 42%, 61%
XYZ	21.3928, 19.4116, 12.5168
YIQ	122.7620, 32.9650, 2.7970

Conversions

Conversions Part 2

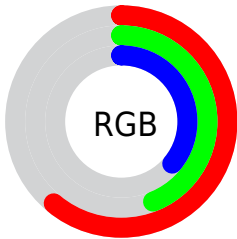
Format	Color
R_{YB}	156, 122, 91
Decimal	10252379
CIE _{Lab}	51.17, 14.64, 18.56
CIE _{LCh}	51, 23.635, 51.730
Yxy	19.4116, 0.4012, 0.3641
Android (android.graphics.Color)	4288442459 (0xFF9C705B)
YUV	122.7620, -15.6587, 29.1497
Hunter-Lab	44.0586, 9.5687, 13.9971

Details

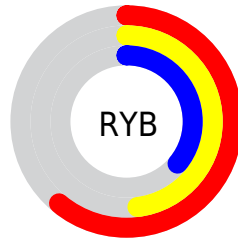
The XYZ color **21.3928, 19.4116, 12.5168** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.9787, 21.9515, 34.6892**, and the grayscale version is **18.7911, 19.7697, 21.5292**.

A 20% lighter version of the original color is **45.2346, 42.4711, 31.0129**, and **7.9006, 6.7398, 3.3671** is the 20% darker color. If you saturate the color by 10%, you get **19.6911, 16.9755, 8.9675**, and if you desaturate by 10%, it is **23.3721, 22.1789, 16.8492**.

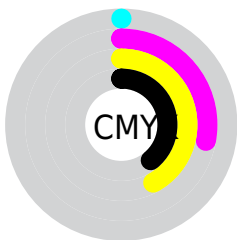
Distribution



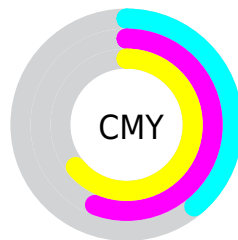
- Red (61%)
- Green (44%)
- Blue (36%)



- Red (61%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (28%)
- Yellow (42%)
- Black (39%)





- Cyan (39%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3928, 19.4116, 12.5168 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 21.3928, 19.4116, 12.5168 by changing the saturation by 10% instead.


 21.3928, 19.4116,
12.5168


 21.3928, 19.4116,
12.5168


252.0511,
248.7117, 218.8952


 13.5255, 11.9681,
6.9699


 45.2267, 42.4285,
31.1113

 7.8709, 6.7219,
3.3651


 61.9241, 58.7706,
44.9959

 4.0636, 3.2888,
1.2839

 82.2955, 78.8477,
62.4968

 1.7382, 1.2843,
0.0486

 106.7063,
103.0441, 84.0326

 0.4800, 0.1290,
0.0000

135.5220,
131.7444, 110.0218

 0.0000, 0.0000,
0.0000

169.1077,

165.3328, 140.8830

207.8290,
204.1938, 177.0346

■ 21.3928, 19.4116,
12.5168

■ 21.3928, 19.4116,
12.5168

■ 19.6911, 16.9755,
8.9675

■ 23.3721, 22.1789,
16.8492

■ 18.2520, 14.8547,
6.1527

■ 25.6399, 25.2867,
22.0071

■ 17.0614, 13.0366,
4.0198

■ 28.2084, 28.7473,
28.0313

■ 16.1028, 11.5060,
2.5089

■ 31.0886, 32.5718,
34.9593

■ 15.3576, 10.2464,
1.5491

■ 34.2909, 36.7706,
42.8267

■ 14.8684, 9.3842,
1.0277

■ 37.8251, 41.3537,
51.6668

■ 41.7008, 46.3308,
61.5116

■ 45.9270, 51.7110,
72.3915

■ 50.5124, 57.5034,
84.3355

Harmonies

Analogous

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



22.9741, 19.4116, 16.6976



21.3928, 19.4116, 12.5168



19.1078, 19.4116, 10.7417

Triad

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



21.3928, 19.4116, 12.5168



14.3300, 19.4116, 19.3286



20.1742, 19.4116, 35.5809

Complementary

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



21.3928, 19.4116, 12.5168



18.9787, 21.9515, 34.6892

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.



17.8078, 19.4116, 36.7034



21.3928, 19.4116, 12.5168



14.5628, 19.4116, 26.2984

Square

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



21.3928, 19.4116, 12.5168



15.1250, 19.4116, 14.0910



15.7905, 19.4116, 33.0111



22.2300, 19.4116, 30.2073

Rectangle

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



21.3928, 19.4116, 12.5168



17.5467, 19.4116, 10.8283



15.7905, 19.4116, 33.0111



19.3841, 19.4116, 36.5077

Sweetspot

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



21.3933, 19.4125, 12.5172



50.9530, 51.8366, 50.2440



21.8540, 16.3113, 25.0724



11.0855, 11.2371, 10.7565



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.



21.3933, 19.4125, 12.5172



35.9584, 31.1133, 16.6806



25.5846, 27.7951, 13.9143



6.7994, 6.9787, 6.9743



12.2757, 7.7870, 0.8560



0.2556, 0.2114, 0.0273

Inverse Universe

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



18.9787, 21.9515, 34.6892



30.9491, 36.3255, 62.5071



15.1573, 14.3086, 33.4154



6.6410, 7.1478, 8.4363



9.1858, 10.4632, 27.4427



0.2008, 0.2602, 0.5029

Previews

White Background



This preview shows how the XYZ color 21.3928, 19.4116, 12.5168 looks on a white background.

Color Contrast Check

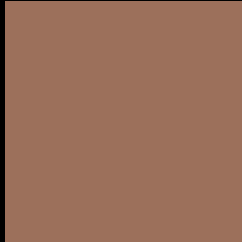
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3928, 19.4116, 12.5168 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 21.3928, 19.4116, 12.5168

Background



This preview shows how black text looks on a background with the XYZ color 21.3928, 19.4116, 12.5168.



This preview shows how white text looks on a background with the XYZ color 21.3928, 19.4116,

12.5168.

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

21.3928, 19.4116, 12.5168

Protanopia

18.2768, 19.5094, 13.8687

Deuteranopia

19.7084, 19.3901, 12.3768



Tritanopia

22.6740, 19.2786, 19.3557

Trichromacy



Original Color

21.3928, 19.4116, 12.5168

Protanomaly

19.1463, 19.2540, 13.2969

Deuteranomaly

20.1889, 19.2956, 12.3332

Tritanomaly

22.0800, 19.1881, 16.7273

Monochromacy



Original Color

21.3928, 19.4116, 12.5168

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4577, 19.4922, 17.7758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3928, 19.4116, 12.5168 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, 112, 91)` looks like.

```
.text, #text, p{  
    color:rgb(156, 112, 91)  
}
```

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, 112, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 112, 91) }
```

Border

The CSS property to change the border of an element to XYZ 21.3928, 19.4116, 12.5168 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, 112, 91) }
```


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

```
.border{ border-color:rgb(156, 112, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 112, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 112, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 112, 91);  
box-shadow:4px 4px 4px 4px rgb(156, 112,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3928, 19.4116, 12.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 112, 91) }
```

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

```
.background{ background-color: rgb(156,  
112, 91) }
```

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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