

Converting Colors

XYZ(21.6250, 16.3341, 12.0882)

Have a look what the booklet for
XYZ(21.6250, 16.3341, 12.0882)
contains.

XYZ(21.7364, 16.4099, 12.1470)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7364, 16.4099,
12.1470)**

Conversions

Conversions Part 1

Format	Color
Hex	A85A5C
RGB	168, 90, 92
RGB Percent	66%, 35%, 36%
CMY	0.3412, 0.6470, 0.6392
CMYK	0.00, 0.46, 0.45, 0.34
HSL	358°, 31%, 51%
HSV	358°, 46%, 66%
XYZ	21.7364, 16.4099, 12.1470
YIQ	113.5500, 45.8460, 17.1580

Conversions

Conversions Part 2

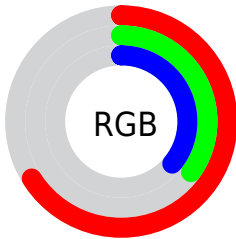
Format	Color
RYB	168, 90, 92
Decimal	11033180
CIELab	47.51, 32.02, 13.22
CIElCh	48, 34.644, 22.427
Yxy	16.4099, 0.4322, 0.3263
Android (android.graphics.Color)	4289223260 (0xFFA85A5C)
YUV	113.5500, -10.6241, 47.7527
Hunter-Lab	40.5091, 24.8886, 10.5778

Details

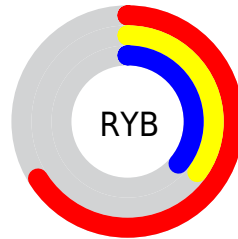
The XYZ color **21.7364, 16.4099, 12.1470** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1029, 32.9325, 41.1120**, and the grayscale version is **15.8812, 16.7083, 18.1953**.

A 20% lighter version of the original color is **45.9195, 37.4677, 30.4030**, and **8.0961, 5.2938, 3.1799** is the 20% darker color. If you saturate the color by 10%, you get **19.8362, 13.6336, 8.3564**, and if you desaturate by 10%, it is **24.1124, 19.8902, 16.8594**.

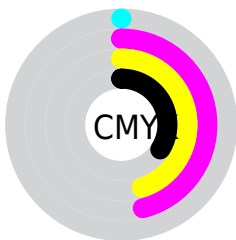
Distribution



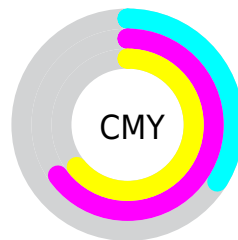
- Red (66%)
- Green (35%)
- Blue (36%)



- Red (66%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (46%)
- Yellow (45%)
- Black (34%)



- Cyan (34%)
- Magenta (65%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7364, 16.4099, 12.1470 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 21.7364, 16.4099, 12.1470 by changing the saturation by 10% instead.

■ 21.7364, 16.4099,
12.1470

■ 21.7364, 16.4099,
12.1470

253.8249,
231.7484, 216.3884

■ 13.7789, 9.8147,
6.7201

■ 45.7920, 37.3084,
30.4309

■ 8.0477, 5.2763,
3.2119

■ 62.6208, 52.3804,
44.1251

■ 4.1775, 2.4102,
1.2038

■ 83.1375, 71.0468,
61.4121

■ 1.8031, 0.8312,
0.0000

■ 107.7072, 93.6920,
82.7104

■ 0.5195, 0.0000,
0.0000

■ 136.6955,
120.7003, 108.4387

■ 0.0000, 0.0000,
0.0000

170.4676,

152.4563, 139.0154

209.3890,
189.3442, 174.8591

■ 21.7364, 16.4099,
12.1470

■ 21.7364, 16.4099,
12.1470

■ 19.8362, 13.6336,
8.3564

■ 24.1124, 19.8902,
16.8594

■ 18.3785, 11.5111,
5.4264

■ 26.9918, 24.1154,
22.5475

■ 17.3280, 9.9895,
3.2898


■ 30.4018, 29.1260,
29.2622


■ 16.6433, 9.0068,
1.8693


■ 34.3671, 34.9590,
37.0506


■ 16.2692, 8.4774,
1.0703


■ 38.9110, 41.6491,
45.9568

 16.1720, 8.3342,
0.8797

 44.0553, 49.2289,
56.0225

 49.8208, 57.7293,
67.2872

 56.2272, 67.1798,
79.7886

 63.2936, 77.6085,
93.5628

Harmonies

Analogous

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



22.2345, 16.4099, 20.1972



21.7364, 16.4099, 12.1470



19.4939, 16.4099, 7.5148

Triad

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



21.7364, 16.4099, 12.1470



11.3587, 16.4099, 9.3929



14.8296, 16.4099, 40.5033

Complementary

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



21.7364, 16.4099, 12.1470



25.1029, 32.9325, 41.1120

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.



12.2576, 16.4099, 34.9619



21.7364, 16.4099, 12.1470



10.4326, 16.4099, 15.7243

Square

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



21.7364, 16.4099, 12.1470



13.4453, 16.4099, 6.3286



10.7386, 16.4099, 25.1501



17.9671, 16.4099, 38.5765

Rectangle

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



21.7364, 16.4099, 12.1470



17.4542, 16.4099, 6.0859



10.7386, 16.4099, 25.1501



13.8766, 16.4099, 39.4029

Sweetspot

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



21.7368, 16.4107, 12.1473



56.6420, 55.0199, 55.9972



26.3249, 18.1827, 39.1679



12.0382, 11.5401, 11.6009



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7368, 16.4107, 12.1473



35.8142, 24.4755, 14.8006



25.5066, 24.0880, 12.9791



7.5386, 7.5453, 7.8875



12.2154, 6.2949, 0.6799



0.2996, 0.1541, 0.0289

Inverse Universe

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



21.7368, 16.4107, 12.1473



35.8142, 24.4755, 14.8006



19.4823, 21.3959, 40.1487



7.5386, 7.5453, 7.8875



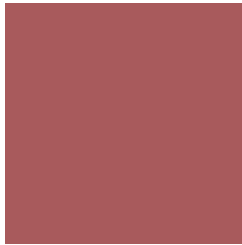
12.2154, 6.2949, 0.6799



0.2996, 0.1541, 0.0289

Previews

White Background



This preview shows how the XYZ color 21.7364, 16.4099, 12.1470 looks on a white background.

Color Contrast Check

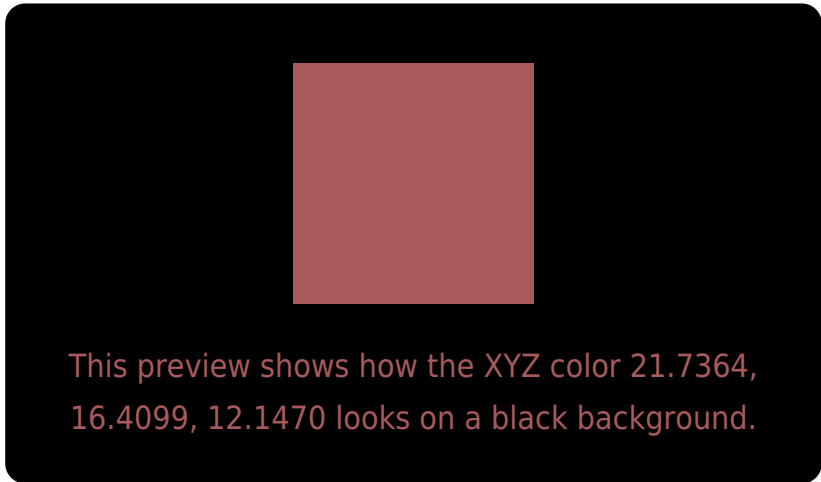
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

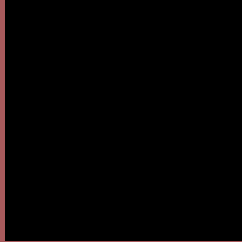
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7364, 16.4099, 12.1470

Background



This preview shows how black text looks on a background with the XYZ color 21.7364, 16.4099, 12.1470.

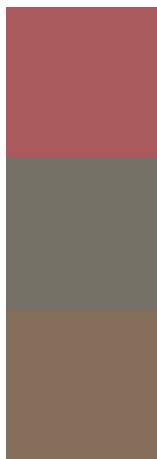


This preview shows how white text looks on a background with the XYZ color 21.7364, 16.4099,

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

21.7364, 16.4099, 12.1470

Protanopia

15.8245, 16.6411, 15.2100

Deuteranopia

16.7875, 16.5641, 11.7636



Tritanopia

21.8321, 16.3141, 13.0646

Trichromacy



Original Color

21.7364, 16.4099, 12.1470

Protanomaly

17.4570, 16.2382, 14.0186

Deuteranomaly

18.2739, 16.2607, 11.8483

Tritanomaly

21.7864, 16.2958, 12.8236

Monochromacy



Original Color

21.7364, 16.4099, 12.1470

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4846, 16.2121, 15.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7364, 16.4099, 12.1470 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(168, 90, 92)` looks like.

```
.text, #text, p{  
    color:rgb(168, 90, 92)  
}
```

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(168, 90, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 90, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.7364, 16.4099, 12.1470 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(168, 90, 92) }
```


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

```
.border{ border-color:rgb(168, 90, 92) }
```

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

Here you see how a box with a 4 pixel rgb(168, 90, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 90, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 90, 92);  
box-shadow:4px 4px 4px 4px rgb(168, 90,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7364, 16.4099, 12.1470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 90, 92) }
```

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

```
.background{ background-color: rgb(168, 90,  
92) }
```

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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