

Converting Colors

XYZ(21.3404, 18.4343, 12.3309)

Have a look what the booklet for
XYZ(21.3404, 18.4343, 12.3309)
contains.

XYZ(21.3404, 18.4343, 12.3309)	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(21.3404, 18.4343,
12.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6A5B
RGB	159, 106, 91
RGB Percent	62%, 42%, 36%
CMY	0.3765, 0.5843, 0.6431
CMYK	0.00, 0.33, 0.43, 0.38
HSL	13°, 27%, 49%
HSV	13°, 43%, 62%
XYZ	21.3404, 18.4343, 12.3309
YIQ	120.1370, 36.4030, 6.5710

Conversions

Conversions Part 2

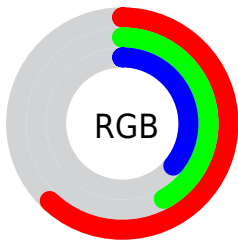
Format	Color
R_{YB}	159, 110, 91
Decimal	10447451
CIE Lab	50.02, 19.33, 17.06
CIE LCh	50, 25.785, 41.431
Yxy	18.4343, 0.4096, 0.3538
Android (android.graphics.Color)	4288637531 (0xFF9F6A5B)
YUV	120.1370, -14.3645, 34.0829
Hunter-Lab	42.9352, 13.5846, 13.0267

Details

The XYZ color **21.3404, 18.4343, 12.3309** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.5451, 24.6728, 36.4803**, and the grayscale version is **17.9332, 18.8671, 20.5463**.

A 20% lighter version of the original color is **45.0589, 40.8239, 30.7042**, and **7.8124, 6.2188, 3.2712** is the 20% darker color. If you saturate the color by 10%, you get **19.5398, 15.8170, 8.6978**, and if you desaturate by 10%, it is **23.4718, 21.4807, 16.7916**.

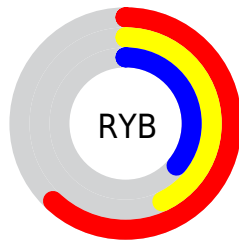
Distribution



Red (62%)

Green (42%)

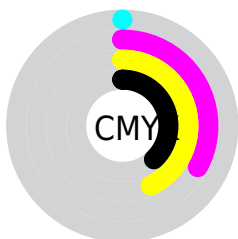
Blue (36%)



Red (62%)

Yellow (43%)

Blue (36%)

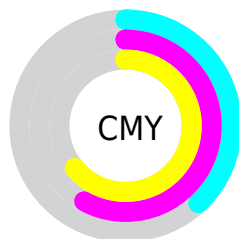


Cyan (0%)

Magenta (33%)

Yellow (43%)

Black (38%)



Cyan (38%)


Magenta (58%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3404, 18.4343, 12.3309 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 21.3404, 18.4343, 12.3309 by changing the saturation by 10% instead.


 21.3404, 18.4343,
12.3309


 21.3404, 18.4343,
12.3309


251.7797,
243.3077, 217.6389


 13.4869, 11.2622,
6.8442


 45.1404, 40.7760,
30.7697

 7.8440, 6.2435,
3.2879


 61.8176, 56.7144,
44.5589

 4.0462, 2.9937,
1.2434

 82.1668, 76.3437,
61.9527

 1.7283, 1.1284,
0.0148

 106.5533,
100.0483, 83.3695

 0.4739, 0.0021,
0.0000

135.3425,
128.2126, 109.2280

 0.0000, 0.0000,
0.0000

168.8997,

161.2211, 139.9467

207.5903,
199.4579, 175.9442

■ 21.3404, 18.4343,
12.3309

■ 21.3404, 18.4343,
12.3309

■ 19.5398, 15.8170,
8.6978

■ 23.4718, 21.4807,
16.7916

■ 18.0515, 13.6065,
5.8399

■ 25.9485, 24.9716,
22.1259

■ 16.8572, 11.7828,
3.7004

■ 28.7858, 28.9251,
28.3775

■ 15.9360, 10.3228,
2.2140

■ 31.9976, 33.3574,
35.5870

■ 15.2638, 9.2010,
1.3035

■ 35.5970, 38.2838,
43.7923

■ 14.9015, 8.5778,
0.8703

■ 39.5966, 43.7191,
53.0296

■ 44.0083, 49.6774,
63.3331

■ 48.8436, 56.1722,
74.7354

■ 54.1135, 63.2166,
87.2676

Harmonies

Analogous

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



22.6167, 18.4343, 17.4879



21.3404, 18.4343, 12.3309



19.0822, 18.4343, 9.7191

Triad

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



21.3404, 18.4343, 12.3309



13.3829, 18.4343, 16.0338



18.4823, 18.4343, 36.6305

Complementary

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



21.3404, 18.4343, 12.3309



20.5451, 24.6728, 36.4803

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.



16.0479, 18.4343, 35.9780



21.3404, 18.4343, 12.3309



13.2551, 18.4343, 22.8985

Square

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



21.3404, 18.4343, 12.3309



14.5547, 18.4343, 11.4833



14.1873, 18.4343, 30.5189



20.8658, 18.4343, 32.1344

Rectangle

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



21.3404, 18.4343, 12.3309



17.4026, 18.4343, 9.2903



14.1873, 18.4343, 30.5189



17.6405, 18.4343, 37.0296

Sweetspot

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



21.3409, 18.4352, 12.3313



51.2937, 51.4429, 50.2452



23.0936, 16.8750, 28.5326



11.3121, 11.2479, 10.7688



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3409, 18.4352, 12.3313



35.2303, 28.6733, 16.0435



25.5256, 26.8046, 13.7262



6.7459, 6.8717, 6.9565



11.7965, 6.8285, 0.6963



0.2386, 0.1774, 0.0217

Inverse Universe

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



20.5451, 24.6728, 36.4803



33.5948, 41.2557, 64.9360



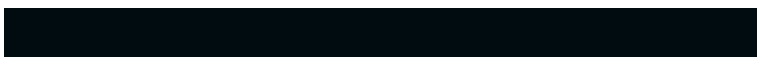
16.1772, 15.9370, 35.0243



6.6976, 7.2610, 8.4552



10.6592, 13.4099, 27.9338



0.2189, 0.2965, 0.5089

Previews

White Background



This preview shows how the XYZ color 21.3404, 18.4343, 12.3309 looks on a white background.

Color Contrast Check

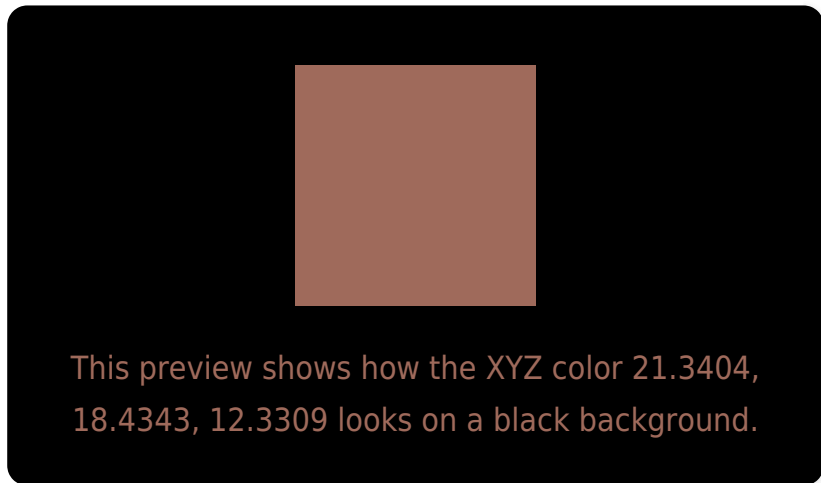
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 21.3404, 18.4343, 12.3309

Background



This preview shows how black text looks on a background with the XYZ color 21.3404, 18.4343, 12.3309.



This preview shows how white text looks on a background with the XYZ color 21.3404, 18.4343,

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

21.3404, 18.4343, 12.3309

Protanopia

17.3587, 18.4923, 13.9637

Deuteranopia

18.8050, 18.4186, 12.0152



Tritanopia

22.4174, 18.4253, 17.4138

Trichromacy



Original Color

21.3404, 18.4343, 12.3309

Protanomaly

18.5641, 18.2641, 13.3734

Deuteranomaly

19.7426, 18.4030, 12.1844

Tritanomaly

21.9462, 18.3737, 15.4865

Monochromacy



Original Color

21.3404, 18.4343, 12.3309

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.7226, 18.4339, 17.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3404, 18.4343, 12.3309 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(159, 106, 91)` looks like.

```
.text, #text, p{  
    color:rgb(159, 106, 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(159, 106, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 106, 91) }
```

Border

The CSS property to change the border of an element to XYZ 21.3404, 18.4343, 12.3309 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(159, 106, 91) }
```


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

```
.border{ border-color:rgb(159, 106, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 106, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 106, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 106, 91);  
box-shadow:4px 4px 4px 4px rgb(159, 106,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3404, 18.4343, 12.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 106, 91) }
```

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

```
.background{ background-color: rgb(159,  
106, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor