

Converting Colors

XYZ(21.7437, 24.2266, 20.5056)

Have a look what the booklet for
XYZ(21.7437, 24.2266, 20.5056)
contains.

XYZ(21.8151, 24.3668, 20.3831)	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(21.8151, 24.3668,
20.3831)**

Conversions

Conversions Part 1

Format	Color
Hex	848A75
RGB	132, 138, 117
RGB Percent	52%, 54%, 46%
CMY	0.4823, 0.4588, 0.5412
CMYK	0.04, 0.00, 0.15, 0.46
HSL	77°, 8%, 50%
HSV	77°, 15%, 54%
XYZ	21.8151, 24.3668, 20.3831
YIQ	133.8120, 3.1650, -7.8030

Conversions

Conversions Part 2

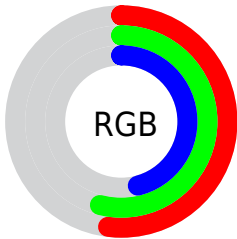
Format	Color
R_{YB}	117, 138, 123
Decimal	8686197
CIE _{Lab}	56.45, -6.17, 10.51
CIE _{LCh}	56, 12.184, 120.401
Yxy	24.3668, 0.3277, 0.3661
Android (android.graphics.Color)	4286876277 (0xFF848A75)
YUV	133.8120, -8.2883, -1.5891
Hunter-Lab	49.3627, -7.4995, 10.0716

Details

The XYZ color **21.8151, 24.3668, 20.3831** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.1180, 18.7691, 26.6611**, and the grayscale version is **22.6201, 23.7981, 25.9162**.

A 20% lighter version of the original color is **45.7998, 50.4405, 44.8582**, and **8.0436, 9.2030, 6.9826** is the 20% darker color. If you saturate the color by 10%, you get **20.4579, 23.7548, 16.3918**, and if you desaturate by 10%, it is **23.3166, 25.0408, 25.0067**.

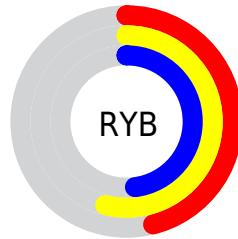
Distribution



Red (52%)

Green (54%)

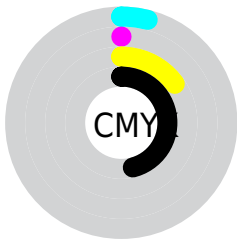
Blue (46%)



Red (46%)

Yellow (54%)

Blue (48%)

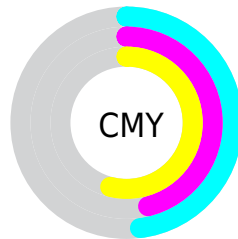


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (46%)



Cyan (48%)

Magenta (46%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8151, 24.3668, 20.3831 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 21.8151, 24.3668, 20.3831 by changing the saturation by 10% instead.

■ 21.8151, 24.3668,
20.3831

■ 21.8151, 24.3668,
20.3831

254.2297,
274.6697, 266.6541

■ 13.8369, 15.6059,
12.4870

■ 45.9213, 50.6281,
44.9259

■ 8.0883, 9.2457,
6.9497

■ 62.7801, 68.8973,
62.4097

■ 4.2038, 4.9018,
3.3527

■ 83.3298, 91.1048,
83.9265

■ 1.8181, 2.1898,
1.2774

107.9358,
117.6349, 109.8948

■ 0.5285, 0.7144,
0.0432

136.9635,
148.8721, 140.7332

■ 0.0000, 0.0000,
0.0000

170.7781,

185.2007, 176.8602

209.7450,
227.0051, 218.6943

■ 21.8151, 24.3668,
20.3831

■ 21.8151, 24.3668,
20.3831

■ 20.4579, 23.7548,
16.3918

■ 23.3166, 25.0408,
25.0067

■ 19.2375, 23.1994,
13.0036

■ 24.9656, 25.7758,
30.2867

■ 18.1487, 22.6993,
10.1897

■ 26.7676, 26.5746,
36.2481

■ 17.1853, 22.2519,
7.9180

■ 28.7273, 27.4394,
42.9140

■ 16.3403, 21.8545,
6.1534

■ 30.8489, 28.3717,
50.3063

■ 15.6059, 21.5038,
4.8566

■ 33.1369, 29.3734,
58.4461

■ 14.9734, 21.1964,
3.9827

■ 35.5951, 30.4460,
67.3537

■ 14.4304, 20.9273,
3.4683

■ 38.2277, 31.5913,
77.0484

■ 14.1869, 20.8060,
3.2682

■ 41.0383, 32.8107,
87.5491

Harmonies

Analogous

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



23.1409, 24.3668, 19.5009



21.8151, 24.3668, 20.3831



20.8821, 24.3668, 22.8787

Triad

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



21.8151, 24.3668, 20.3831



21.8467, 24.3668, 33.8699



25.9776, 24.3668, 26.4770

Complementary

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



21.8151, 24.3668, 20.3831



19.1180, 18.7691, 26.6611

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.



25.5977, 24.3668, 30.5534



21.8151, 24.3668, 20.3831



23.1789, 24.3668, 35.0759

Square

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



21.8151, 24.3668, 20.3831



20.8998, 24.3668, 30.6569



24.5589, 24.3668, 33.8060



25.5774, 24.3668, 22.7935

Rectangle

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



21.8151, 24.3668, 20.3831



20.5887, 24.3668, 25.2577



24.5589, 24.3668, 33.8060



25.9367, 24.3668, 27.8470

Sweetspot

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



21.8158, 24.3679, 20.3836



41.1286, 44.1505, 44.1740



20.7697, 20.8419, 19.7582



9.1873, 9.8859, 9.7899



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.8158, 24.3679, 20.3836



37.6676, 42.5972, 33.5821



20.2626, 23.5672, 20.3109



5.2941, 5.7744, 5.3879



13.0215, 19.0828, 2.9970



0.1010, 0.1342, 0.0206

Inverse Universe

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



19.1180, 18.7691, 26.6611



32.0461, 30.9299, 46.6642



20.6936, 19.5814, 26.7349



4.9002, 4.9570, 6.3044



5.0016, 2.0925, 22.1860



0.0462, 0.0206, 0.1480

Previews

White Background



This preview shows how the XYZ color 21.8151, 24.3668, 20.3831 looks on a white background.

Color Contrast Check

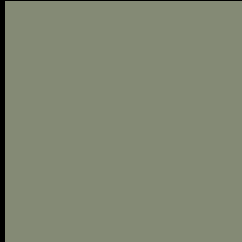
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8151, 24.3668, 20.3831 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

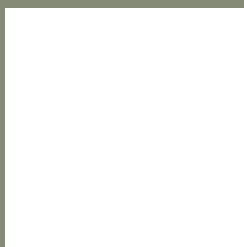
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8151, 24.3668, 20.3831

Background



This preview shows how black text looks on a background with the XYZ color 21.8151, 24.3668, 20.3831.



This preview shows how white text looks on a background with the XYZ color 21.8151, 24.3668,

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

21.8151, 24.3668, 20.3831

Protanopia

22.9138, 24.3165, 19.7055

Deuteranopia

24.6388, 24.1672, 20.8189



Tritanopia

23.7893, 24.3288, 30.2302

Trichromacy



Original Color

21.8151, 24.3668, 20.3831

Protanomaly

22.4378, 24.2725, 20.0255

Deuteranomaly

23.5116, 24.1941, 20.5703

Tritanomaly

23.0288, 24.2281, 26.3844

Monochromacy



Original Color

21.8151, 24.3668, 20.3831

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.2331, 23.8730, 23.8582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8151, 24.3668, 20.3831 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(132, 138, 117)` looks like.

```
.text, #text, p{  
    color:rgb(132, 138, 117)  
}
```

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(132, 138, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 138, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.8151, 24.3668, 20.3831 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(132, 138, 117) }
```


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

```
.border{ border-color:rgb(132, 138, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 138, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 138, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 138, 117);  
box-shadow:4px 4px 4px 4px rgb(132, 138,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8151, 24.3668, 20.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 138, 117) }
```

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

```
.background{ background-color: rgb(132,  
138, 117) }
```

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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