

Converting Colors

XYZ(21.5064, 24.1621, 19.5368)

Have a look what the booklet for
XYZ(21.5064, 24.1621, 19.5368)
contains.

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Color

**XYZ(21.4858, 24.2172,
19.4615)**

Conversions

Conversions Part 1

Format	Color
Hex	838A72
RGB	131, 138, 114
RGB Percent	51%, 54%, 45%
CMY	0.4863, 0.4588, 0.5529
CMYK	0.05, 0.00, 0.17, 0.46
HSL	78°, 10%, 49%
HSV	78°, 17%, 54%
XYZ	21.4858, 24.2172, 19.4615
YIQ	133.1710, 3.5320, -8.9480

Conversions

Conversions Part 2

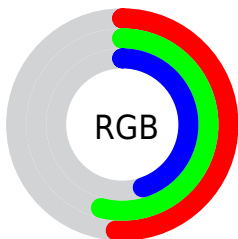
Format	Color
RYB	114, 138, 121
Decimal	8620658
CIELab	56.30, -7.07, 12.00
CIElCh	56, 13.932, 120.510
Yxy	24.2172, 0.3297, 0.3716
Android (android.graphics.Color)	4286810738 (0xFF838A72)
YUV	133.1710, -9.4513, -1.9040
Hunter-Lab	49.2110, -8.1851, 11.0002

Details

The XYZ color **21.4858, 24.2172, 19.4615** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.4909, 17.9352, 26.5334**, and the grayscale version is **22.3896, 23.5556, 25.6521**.

A 20% lighter version of the original color is **45.2809, 50.2051, 43.3804**, and **7.8664, 9.1221, 6.5004** is the 20% darker color. If you saturate the color by 10%, you get **20.1475, 23.6120, 15.6033**, and if you desaturate by 10%, it is **22.9682, 24.8844, 23.9462**.

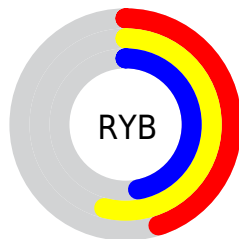
Distribution



Red (51%)

Green (54%)

Blue (45%)



Red (45%)

Yellow (54%)

Blue (47%)

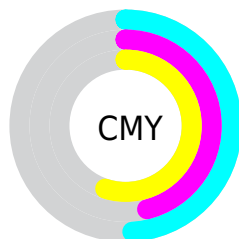


Cyan (5%)

Magenta (0%)

Yellow (17%)

Black (46%)



Cyan (49%)

Magenta (46%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4858, 24.2172, 19.4615 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 21.4858, 24.2172, 19.4615 by changing the saturation by 10% instead.

■ 21.4858, 24.2172,
19.4615

■ 21.4858, 24.2172,
19.4615

252.5322,
273.9167, 261.4919

■ 13.5940, 15.4948,
11.8240

■ 45.3799, 50.3844,
43.3595

■ 7.9187, 9.1674,
6.5029

■ 62.1129, 68.5980,
60.4572

■ 4.0943, 4.8505,
3.0795

■ 82.5237, 90.7442,
81.5453

■ 1.7556, 2.1598,
1.1354

106.9777,
117.2072, 107.0424

■ 0.4907, 0.6980,
0.0000

135.8402,
148.3716, 137.3671

■ 0.0000, 0.0000,
0.0000

169.4765,

184.6218, 172.9379

208.2521,
226.3420, 214.1733

■ 21.4858, 24.2172,
19.4615

■ 21.4858, 24.2172,
19.4615

■ 20.1475, 23.6120,
15.6033

■ 22.9682, 24.8844,
23.9462

■ 18.9457, 23.0634,
12.3420

■ 24.5980, 25.6126,
29.0820

■ 17.8752, 22.5701,
9.6483

■ 26.3808, 26.4049,
34.8939

■ 16.9295, 22.1294,
7.4896

■ 28.3212, 27.2631,
41.4055

■ 16.1015, 21.7384,
5.8298

■ 30.4238, 28.1891,
48.6388

■ 15.3832, 21.3939,
4.6288

■ 32.6928, 29.1846,
56.6153

■ 14.7655, 21.0923,
3.8398

■ 35.1323, 30.2513,
65.3552

■ 14.2311, 20.8266,
3.3732

■ 37.7463, 31.3908,
74.8782

■ 14.0977, 20.7601,
3.2641

■ 40.5387, 32.6047,
85.2031

Harmonies

Analogous

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



22.9903, 24.2172, 18.4791



21.4858, 24.2172, 19.4615



20.4339, 24.2172, 22.2514

Triad

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



21.4858, 24.2172, 19.4615



21.5313, 24.2172, 34.8368



26.2446, 24.2172, 26.2898

Complementary

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



21.4858, 24.2172, 19.4615



18.4909, 17.9352, 26.5334

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.



25.8107, 24.2172, 30.9644



21.4858, 24.2172, 19.4615



23.0452, 24.2172, 36.2337

Square

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



21.4858, 24.2172, 19.4615



20.4593, 24.2172, 31.1163



24.6208, 24.2172, 34.7421



25.7810, 24.2172, 22.1299

Rectangle

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



21.4858, 24.2172, 19.4615



20.1053, 24.2172, 24.9375



24.6208, 24.2172, 34.7421



26.1987, 24.2172, 27.8531

Sweetspot

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



21.4864, 24.2183, 19.4620



41.1166, 44.1443, 44.1734



20.3325, 20.2451, 18.7560



9.1843, 9.8844, 9.7898



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.



21.4864, 24.2183, 19.4620



36.8844, 42.2406, 31.4144



19.7618, 23.3292, 19.3813



5.2913, 5.7729, 5.3878



12.9398, 19.0407, 2.9932



0.1006, 0.1340, 0.0206

Inverse Universe

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



18.4909, 17.9352, 26.5334



30.5532, 28.9594, 46.3626



20.2469, 18.8405, 26.6156



4.9029, 4.9584, 6.3045



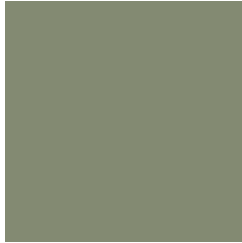
5.0310, 2.1077, 22.1873



0.0466, 0.0208, 0.1480

Previews

White Background



This preview shows how the XYZ color 21.4858, 24.2172, 19.4615 looks on a white background.

Color Contrast Check

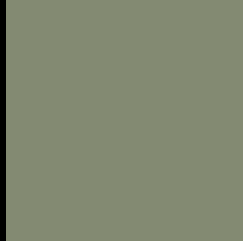
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4858, 24.2172, 19.4615 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

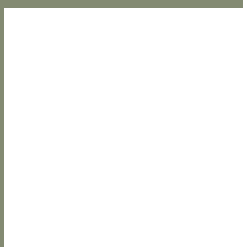
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4858, 24.2172, 19.4615

Background



This preview shows how black text looks on a background with the XYZ color 21.4858, 24.2172, 19.4615.

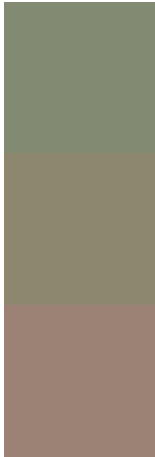


This preview shows how white text looks on a background with the XYZ color 21.4858, 24.2172,

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

21.4858, 24.2172, 19.4615

Protanopia

22.7439, 24.2486, 18.8109

Deuteranopia

24.6526, 24.1948, 19.8937



Tritanopia

23.5508, 24.2147, 29.8182

Trichromacy



Original Color

21.4858, 24.2172, 19.4615

Protanomaly

22.2660, 24.2038, 19.1210

Deuteranomaly

23.3361, 24.1239, 19.6461

Tritanomaly

22.7291, 24.0897, 25.6421

Monochromacy



Original Color

21.4858, 24.2172, 19.4615

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.9456, 23.7398, 23.1643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4858, 24.2172, 19.4615 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(131, 138, 114)` looks like.

```
.text, #text, p{  
    color:rgb(131, 138, 114)  
}
```

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(131, 138, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 138, 114) }
```

Border

The CSS property to change the border of an element to XYZ 21.4858, 24.2172, 19.4615 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(131, 138, 114) }
```


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

```
.border{ border-color:rgb(131, 138, 114) }
```

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

Here you see how a box with a 4 pixel rgb(131, 138, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 138, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 138, 114);  
box-shadow:4px 4px 4px 4px rgb(131, 138,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4858, 24.2172, 19.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 138, 114) }
```

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

```
.background{ background-color: rgb(131,  
138, 114) }
```

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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