

Converting Colors

XYZ(21.4588, 24.1985, 20.8462)

Have a look what the booklet for
XYZ(21.4588, 24.1985, 20.8462)
contains.

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Color

**XYZ(21.4715, 24.1760,
20.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	818A77
RGB	129, 138, 119
RGB Percent	51%, 54%, 47%
CMY	0.4941, 0.4588, 0.5333
CMYK	0.07, 0.00, 0.14, 0.46
HSL	88°, 8%, 50%
HSV	88°, 14%, 54%
XYZ	21.4715, 24.1760, 20.9875
YIQ	133.1430, 0.7350, -7.8170

Conversions

Conversions Part 2

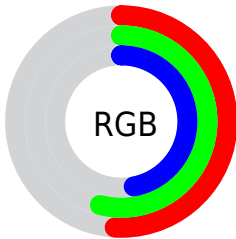
Format	Color
R_{YB}	119, 138, 128
Decimal	8489591
CIE _{Lab}	56.26, -6.96, 9.06
CIE _{LCh}	56, 11.429, 127.543
Yxy	24.1760, 0.3222, 0.3628
Android (android.graphics.Color)	4286679671 (0xFF818A77)
YUV	133.1430, -6.9725, -3.6334
Hunter-Lab	49.1691, -8.0973, 9.1108

Details

The XYZ color **21.4715, 24.1760, 20.9875** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.0873, 19.6185, 26.7741**, and the grayscale version is **22.3714, 23.5364, 25.6312**.

A 20% lighter version of the original color is **45.2729, 50.1470, 45.8213**, and **7.9353, 9.1399, 7.3072** is the 20% darker color. If you saturate the color by 10%, you get **19.7408, 23.3734, 16.8898**, and if you desaturate by 10%, it is **23.3875, 25.0616, 25.7231**.

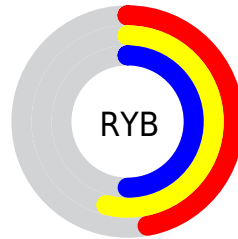
Distribution



Red (51%)

Green (54%)

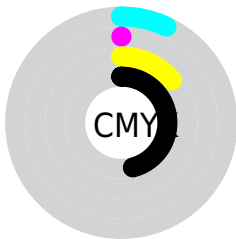
Blue (47%)



Red (47%)

Yellow (54%)

Blue (50%)

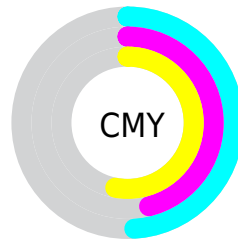


Cyan (7%)

Magenta (0%)

Yellow (14%)

Black (46%)



Cyan (49%)

Magenta (46%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4715, 24.1760, 20.9875 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 21.4715, 24.1760, 20.9875 by changing the saturation by 10% instead.

■ 21.4715, 24.1760,
20.9875

■ 21.4715, 24.1760,
20.9875

252.4583,
273.7091, 269.9909

■ 13.5835, 15.4642,
12.9237

■ 45.3563, 50.3173,
45.9473

■ 7.9113, 9.1458,
7.2459

■ 62.0839, 68.5155,
63.6803

■ 4.0896, 4.8364,
3.5356

■ 82.4886, 90.6448,
85.4735

■ 1.7529, 2.1516,
1.3742

106.9360,
117.0893, 111.7454

■ 0.4891, 0.6934,
0.1215

135.7913,
148.2337, 142.9146

■ 0.0000, 0.0000,
0.0000

169.4198,

184.4621, 179.3995

208.1871,
226.1591, 221.6188

■ 21.4715, 24.1760,
20.9875

■ 21.4715, 24.1760,
20.9875

■ 19.7408, 23.3734,
16.8898

■ 23.3875, 25.0616,
25.7231

■ 18.1870, 22.6480,
13.4013

■ 25.4928, 26.0296,
31.1208

■ 16.8041, 21.9980,
10.4931

■ 27.7937, 27.0835,
37.2052

■ 15.5847, 21.4204,
8.1338

■ 30.2958, 28.2256,
43.9993

■ 14.5212, 20.9118,
6.2886

■ 33.0041, 29.4581,
51.5250

■ 13.6047, 20.4687,
4.9189

■ 35.9238, 30.7830,
59.8033

■ 12.8255, 20.0870,
3.9806

■ 39.0597, 32.2025,
68.8543

■ 12.1720, 19.7619,
3.4198

■ 42.4163, 33.7185,
78.6974

■ 11.8080, 19.5796,
3.1569

■ 45.9983, 35.3330,
89.3513

Harmonies

Analogous

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



22.6481, 24.1760, 19.7756



21.4715, 24.1760, 20.9875



20.7194, 24.1760, 23.6522

Triad

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



21.4715, 24.1760, 20.9875



22.0258, 24.1760, 33.6016



25.5783, 24.1760, 25.3841

Complementary

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



21.4715, 24.1760, 20.9875



20.0873, 19.6185, 26.7741

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.



25.3963, 24.1760, 29.1888



21.4715, 24.1760, 20.9875



23.3122, 24.1760, 34.1776

Square

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



21.4715, 24.1760, 20.9875



21.0308, 24.1760, 30.9889



24.5545, 24.1760, 32.4951



25.0430, 24.1760, 22.1516

Rectangle

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



21.4715, 24.1760, 20.9875



20.5430, 24.1760, 26.0142



24.5545, 24.1760, 32.4951



25.5994, 24.1760, 26.6354

Sweetspot

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



21.4722, 24.1770, 20.9880



41.1106, 44.1217, 45.0578



21.5137, 22.1396, 20.5926



9.1676, 9.8717, 9.9724



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.



21.4722, 24.1770, 20.9880



36.7129, 42.0888, 34.2703



20.1139, 23.4769, 20.9245



5.2066, 5.7292, 5.3838



10.8426, 17.9596, 2.8951



0.0889, 0.1280, 0.0200

Inverse Universe

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



20.0873, 19.6185, 26.7741



33.7090, 32.2001, 46.8218



21.5619, 20.3787, 26.8431



4.9853, 5.0008, 6.3083



6.2446, 2.7333, 22.2441



0.0582, 0.0268, 0.1486

Previews

White Background



This preview shows how the XYZ color 21.4715, 24.1760, 20.9875 looks on a white background.

Color Contrast Check

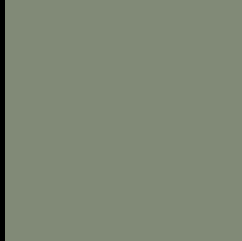
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4715, 24.1760, 20.9875 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

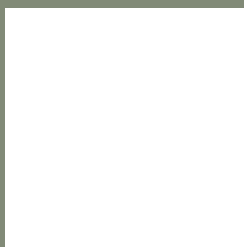
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4715, 24.1760, 20.9875

Background



This preview shows how black text looks on a background with the XYZ color 21.4715, 24.1760, 20.9875.



This preview shows how white text looks on a background with the XYZ color 21.4715, 24.1760,

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

21.4715, 24.1760, 20.9875

Protanopia

22.7205, 23.9973, 20.2641

Deuteranopia

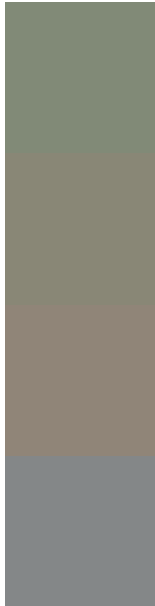
24.5707, 24.1180, 21.4494



Tritanopia

23.3088, 24.0811, 30.2077

Trichromacy



Original Color

21.4715, 24.1760, 20.9875

Protanomaly

22.2505, 23.9543, 20.5905

Deuteranomaly

23.2793, 24.0604, 21.1865

Tritanomaly

22.6236, 24.0111, 26.7348

Monochromacy



Original Color

21.4715, 24.1760, 20.9875

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0760, 23.7920, 23.8509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4715, 24.1760, 20.9875 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(129, 138, 119)` looks like.

```
.text, #text, p{  
    color:rgb(129, 138, 119)  
}
```

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(129, 138, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 138, 119) }
```

Border

The CSS property to change the border of an element to XYZ 21.4715, 24.1760, 20.9875 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(129, 138, 119) }
```


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

```
.border{ border-color:rgb(129, 138, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 138, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 138, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 138, 119); box-shadow:4px 4px 4px 4px rgb(129, 138, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4715, 24.1760, 20.9875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 138, 119) }
```

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

```
.background{ background-color: rgb(129,  
138, 119) }
```

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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