

Converting Colors

XYZ(21.0670, 23.9171, 20.3496)

Have a look what the booklet for
XYZ(21.0670, 23.9171, 20.3496)
contains.

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Color

**XYZ(21.0518, 23.9733,
20.3474)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8A75
RGB	127, 138, 117
RGB Percent	50%, 54%, 46%
CMY	0.5020, 0.4588, 0.5412
CMYK	0.08, 0.00, 0.15, 0.46
HSL	91°, 8%, 50%
HSV	91°, 15%, 54%
XYZ	21.0518, 23.9733, 20.3474
YIQ	132.3170, 0.1850, -8.8630

Conversions

Conversions Part 2

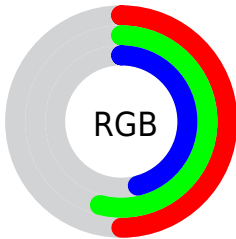
Format	Color
R_{YB}	117, 138, 128
Decimal	8358517
CIE Lab	56.06, -8.09, 9.90
CIE LCh	56, 12.783, 129.251
Yxy	23.9733, 0.3220, 0.3667
Android (android.graphics.Color)	4286548597 (0xFF7F8A75)
YUV	132.3170, -7.5513, -4.6630
Hunter-Lab	48.9625, -8.9371, 9.6346

Details

The XYZ color **21.0518, 23.9733, 20.3474** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.8517, 19.1474, 26.6954**, and the grayscale version is **22.0735, 23.2231, 25.2899**.

A 20% lighter version of the original color is **44.6146, 49.8295, 44.8027**, and **7.7058, 9.0288, 6.9668** is the 20% darker color. If you saturate the color by 10%, you get **19.2613, 23.1379, 16.3358**, and if you desaturate by 10%, it is **23.0405, 24.8985, 24.9938**.

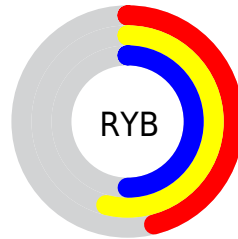
Distribution



Red (50%)

Green (54%)

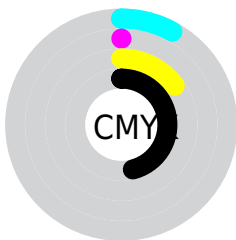
Blue (46%)



Red (46%)

Yellow (54%)

Blue (50%)

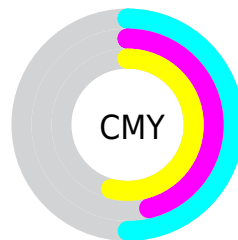


Cyan (8%)

Magenta (0%)

Yellow (15%)

Black (46%)



Cyan (50%)

Magenta (46%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0518, 23.9733, 20.3474 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 21.0518, 23.9733, 20.3474 by changing the saturation by 10% instead.

■ 21.0518, 23.9733,
20.3474

■ 21.0518, 23.9733,
20.3474

250.2802,
272.6855, 266.4558

■ 13.2745, 15.3138,
12.4612

■ 44.6644, 49.9866,
44.8655

■ 7.6962, 9.0399,
6.9323

■ 61.2304, 68.1093,
62.3345

■ 3.9513, 4.7672,
3.3420

■ 81.4567, 90.1551,
83.8348

■ 1.6746, 2.1113,
1.2718

105.7086,
116.5084, 109.7850

■ 0.4403, 0.6710,
0.0385

134.3516,
147.5538, 140.6037

■ 0.0000, 0.0000,
0.0000

167.7510,

183.6754, 176.7094

206.2720,
225.2579, 218.5206

■ 21.0518, 23.9733,
20.3474

■ 21.0518, 23.9733,
20.3474

■ 19.2613, 23.1379,
16.3358

■ 23.0405, 24.8985,
24.9938

■ 17.6603, 22.3863,
12.9298

■ 25.2320, 25.9130,
30.2992

■ 16.2421, 21.7164,
10.1005

■ 27.6329, 27.0207,
36.2886

■ 14.9990, 21.1248,
7.8157

■ 30.2493, 28.2240,
42.9852

■ 13.9225, 20.6080,
6.0402

■ 33.0867, 29.5253,
50.4110

■ 13.0032, 20.1620,
4.7348

■ 36.1505, 30.9269,
58.5871

■ 12.2308, 19.7825,
3.8544

■ 39.4459, 32.4311,
67.5339

■ 11.5911, 19.4636,
3.3354

■ 42.9779, 34.0401,
77.2707

■ 11.3162, 19.3260,
3.1339

■ 46.7514, 35.7559,
87.8164

Harmonies

Analogous

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



22.3366, 23.9733, 18.9307



21.0518, 23.9733, 20.3474



20.2550, 23.9733, 23.3511

Triad

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



21.0518, 23.9733, 20.3474



21.8037, 23.9733, 34.3857



25.6770, 23.9733, 24.8289

Complementary

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



21.0518, 23.9733, 20.3474



19.8517, 19.1474, 26.6954

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.



25.5193, 23.9733, 29.0627



21.0518, 23.9733, 20.3474



23.2412, 23.9733, 34.8902

Square

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



21.0518, 23.9733, 20.3474



20.6760, 23.9733, 31.5399



24.6127, 23.9733, 32.8526



25.0347, 23.9733, 21.3296

Rectangle

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



21.0518, 23.9733, 20.3474



20.0870, 23.9733, 25.9976



24.6127, 23.9733, 32.8526



25.7164, 23.9733, 26.2083

Sweetspot

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



21.0524, 23.9743, 20.3479



40.6521, 43.9049, 44.1517



21.3926, 22.0877, 19.9658



9.0682, 9.8245, 9.7843



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.



21.0524, 23.9743, 20.3479



36.0703, 41.7737, 33.5073



19.6568, 23.2525, 20.3903



5.1836, 5.7174, 5.3828



10.3915, 17.7270, 2.8740



0.0858, 0.1264, 0.0199

Inverse Universe

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



19.8517, 19.1474, 26.6954



33.5677, 31.7143, 46.7354



21.4055, 19.9513, 26.6361



5.0083, 5.0127, 6.3094



6.6933, 2.9646, 22.2651



0.0614, 0.0284, 0.1487

Previews

White Background



This preview shows how the XYZ color 21.0518, 23.9733, 20.3474 looks on a white background.

Color Contrast Check

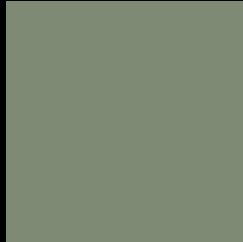
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0518, 23.9733, 20.3474 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

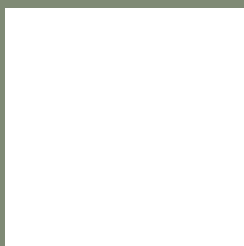
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0518, 23.9733, 20.3474

Background



This preview shows how black text looks on a background with the XYZ color 21.0518, 23.9733, 20.3474.



This preview shows how white text looks on a background with the XYZ color 21.0518, 23.9733,

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

21.0518, 23.9733, 20.3474

Protanopia

22.6041, 23.9507, 19.6512

Deuteranopia

24.3169, 23.8047, 20.7659



Tritanopia

22.9960, 23.9198, 30.1930

Trichromacy



Original Color

21.0518, 23.9733, 20.3474

Protanomaly

21.9697, 23.8231, 19.9634

Deuteranomaly

23.0229, 23.7398, 20.5083

Tritanomaly

22.2431, 23.8230, 26.3476

Monochromacy



Original Color

21.0518, 23.9733, 20.3474

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5618, 23.3283, 23.4451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0518, 23.9733, 20.3474 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(127, 138, 117)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 138, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 138, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.0518, 23.9733, 20.3474 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(127, 138, 117) }
```


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

```
.border{ border-color:rgb(127, 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(127, 138, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 138, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 138, 117);  
box-shadow:4px 4px 4px 4px rgb(127, 138,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0518, 23.9733, 20.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 138, 117) }
```

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

```
.background{ background-color: rgb(127,  
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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