

Converting Colors

XYZ(19.9379, 21.2051, 13.2826)

Have a look what the booklet for
XYZ(19.9379, 21.2051, 13.2826)
contains.

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Color

**XYZ(19.9179, 21.1153,
13.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7E5D
RGB	138, 126, 93
RGB Percent	54%, 49%, 36%
CMY	0.4588, 0.5059, 0.6353
CMYK	0.00, 0.09, 0.33, 0.46
HSL	44°, 19%, 45%
HSV	44°, 33%, 54%
XYZ	19.9179, 21.1153, 13.3818
YIQ	125.8260, 17.7450, -7.7190

Conversions

Conversions Part 2

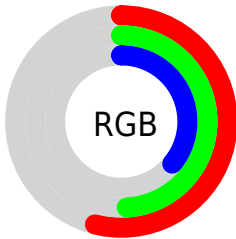
Format	Color
R_{YB}	109, 138, 93
Decimal	9076317
CIE Lab	53.08, -0.75, 19.66
CIE LCh	53, 19.673, 92.189
Yxy	21.1153, 0.3660, 0.3880
Android (android.graphics.Color)	4287266397 (0xFF8A7E5D)
YUV	125.8260, -16.1832, 10.6766
Hunter-Lab	45.9514, -3.0430, 14.8997

Details

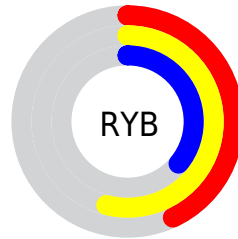
The XYZ color **19.9179, 21.1153, 13.3818** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1532, 14.2649, 26.0523**, and the grayscale version is **19.8215, 20.8538, 22.7098**.

A 20% lighter version of the original color is **42.8924, 45.4603, 32.8996**, and **7.0974, 7.5392, 3.7705** is the 20% darker color. If you saturate the color by 10%, you get **18.8994, 19.9696, 10.2940**, and if you desaturate by 10%, it is **21.0652, 22.3416, 17.0573**.

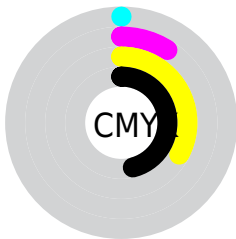
Distribution



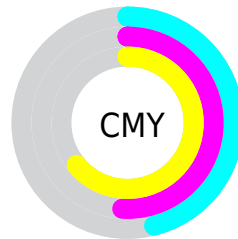
- Red (54%)
- Green (49%)
- Blue (36%)



- Red (43%)
- Yellow (54%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (33%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9179, 21.1153, 13.3818 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 19.9179, 21.1153, 13.3818 by changing the saturation by 10% instead.

■ 19.9179, 21.1153,
13.3818

■ 19.9179, 21.1153,
13.3818

244.3124,
257.8906, 224.6434

■ 12.4433, 13.2083,
7.5582

■ 42.7845, 45.2793,
32.6892

■ 7.1207, 7.5721,
3.7299

■ 58.9072, 62.3052,
47.0101

■ 3.5847, 3.8224,
1.4784

■ 78.6433, 83.1394,
65.0004

■ 1.4700, 1.5747,
0.2017

■ 102.3582,
108.1665, 87.0788

■ 0.3053, 0.3405,
0.0000

130.4171,
137.7707, 113.6637

■ 0.0000, 0.0000,
0.0000

163.1856,

172.3366, 145.1738

201.0289,
212.2484, 182.0275

■ 19.9179, 21.1153,
13.3818

■ 19.9179, 21.1153,
13.3818

■ 18.8994, 19.9696,
10.2940

■ 21.0652, 22.3416,
17.0573

■ 18.0018, 18.8990,
7.7613

■ 22.3452, 23.6483,
21.3481

■ 17.2191, 17.9014,
5.7497

■ 23.7639, 25.0387,
26.2817

■ 16.5438, 16.9736,
4.2212

■ 25.3262, 26.5151,
31.8837

■ 15.9675, 16.1119,
3.1325

■ 27.0368, 28.0796,
38.1780

■ 15.4804, 15.3120,
2.4325

■ 28.9003, 29.7343,
45.1874

■ 15.1553, 14.7514,
2.0485

■ 30.9209, 31.4813,
52.9339

■ 33.1028, 33.3224,
61.4383

■ 35.4499, 35.2595,
70.7205

Harmonies

Analogous

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



21.9833, 21.1153, 14.3143



19.9179, 21.1153, 13.3818



18.0239, 21.1153, 14.6339

Triad

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



19.9179, 21.1153, 13.3818



16.8874, 21.1153, 29.6101



23.7978, 21.1153, 28.7268

Complementary

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



19.9179, 21.1153, 13.3818



14.1532, 14.2649, 26.0523

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.



22.2642, 21.1153, 34.0439



19.9179, 21.1153, 13.3818



18.2700, 21.1153, 34.6123

Square

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



19.9179, 21.1153, 13.3818



16.3508, 21.1153, 23.4289



20.2218, 21.1153, 36.3587



24.3130, 21.1153, 22.5586

Rectangle

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



19.9179, 21.1153, 13.3818



17.0877, 21.1153, 16.6896



20.2218, 21.1153, 36.3587



23.3793, 21.1153, 30.7070

Sweetspot

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



19.9184, 21.1163, 13.3822



39.9633, 42.2573, 39.6068



16.9456, 14.2522, 15.2227



8.8978, 9.4129, 8.6575



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.



19.9184, 21.1163, 13.3822



33.7897, 35.7469, 19.5545



19.8915, 23.5179, 13.8472



5.3202, 5.6232, 5.3574



13.9076, 13.5495, 1.8823



0.1044, 0.1141, 0.0165

Inverse Universe

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



14.1532, 14.2649, 26.0523



22.0256, 21.7722, 45.4247



14.1531, 12.5772, 25.7266



4.8761, 5.0951, 6.3323



4.8175, 2.9052, 22.3525



0.0427, 0.0407, 0.1521

Previews

White Background



This preview shows how the XYZ color 19.9179, 21.1153, 13.3818 looks on a white background.

Color Contrast Check

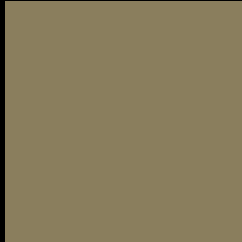
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9179, 21.1153, 13.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

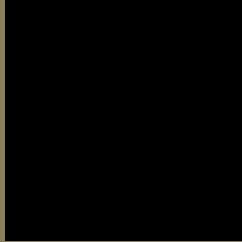
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9179, 21.1153, 13.3818

Background



This preview shows how black text looks on a background with the XYZ color 19.9179, 21.1153, 13.3818.



This preview shows how white text looks on a background with the XYZ color 19.9179, 21.1153,

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

19.9179, 21.1153, 13.3818

Protanopia

19.7185, 21.2033, 13.4093

Deuteranopia

21.5576, 21.2112, 13.5476



Tritanopia

22.0894, 21.0642, 24.3743

Trichromacy



Original Color

19.9179, 21.1153, 13.3818

Protanomaly

19.8817, 21.2874, 13.4169

Deuteranomaly

20.9574, 21.0851, 13.5549

Tritanomaly

21.2783, 21.1130, 19.7833

Monochromacy



Original Color

19.9179, 21.1153, 13.3818

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7040, 20.8824, 18.9118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9179, 21.1153, 13.3818 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(138, 126, 93)` looks like.

```
.text, #text, p{  
    color:rgb(138, 126, 93)  
}
```

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(138, 126, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 126, 93) }
```

Border

The CSS property to change the border of an element to XYZ 19.9179, 21.1153, 13.3818 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(138, 126, 93) }
```


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

```
.border{ border-color:rgb(138, 126, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 126, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 126, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 126, 93);  
box-shadow:4px 4px 4px 4px rgb(138, 126,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9179, 21.1153, 13.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 126, 93) }
```

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

```
.background{ background-color: rgb(138,  
126, 93) }
```

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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