

Converting Colors

XYZ(22.1288, 19.3411, 5.1167)

Have a look what the booklet for
XYZ(22.1288, 19.3411, 5.1167)
contains.

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Color

**XYZ(22.2179, 19.3574,
5.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	A96C2E
RGB	169, 108, 46
RGB Percent	66%, 42%, 18%
CMY	0.3373, 0.5765, 0.8196
CMYK	0.00, 0.36, 0.73, 0.34
HSL	30°, 57%, 42%
HSV	30°, 73%, 66%
XYZ	22.2179, 19.3574, 5.1501
YIQ	119.1710, 56.2580, -6.3500

Conversions

Conversions Part 2

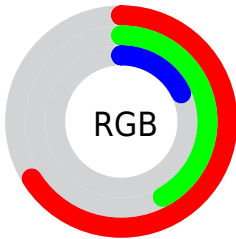
Format	Color
R_{YB}	167, 169, 46
Decimal	11103278
CIE _{Lab}	51.10, 18.77, 43.36
CIE _{LCh}	51, 47.253, 66.596
Yxy	19.3574, 0.4755, 0.4143
Android (android.graphics.Color)	4289293358 (0xFFA96C2E)
YUV	119.1710, -36.0733, 43.7000
Hunter-Lab	43.9970, 13.1452, 23.8577

Details

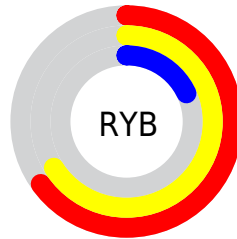
The XYZ color **22.2179, 19.3574, 5.1501** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.5455, 13.9601, 39.5165**, and the grayscale version is **17.6875, 18.6086, 20.2648**.

A 20% lighter version of the original color is **46.6313, 42.4618, 16.5647**, and **8.2980, 6.6765, 0.8513** is the 20% darker color. If you saturate the color by 10%, you get **21.1063, 17.5666, 3.4473**, and if you desaturate by 10%, it is **23.5465, 21.3726, 7.5725**.

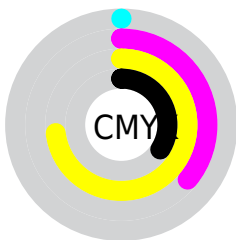
Distribution



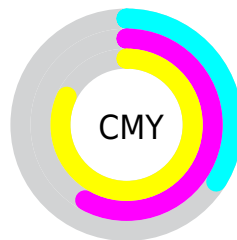
- Red (66%)
- Green (42%)
- Blue (18%)



- Red (65%)
- Yellow (66%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (73%)
- Black (34%)



- Cyan (34%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2179, 19.3574, 5.1501 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 22.2179, 19.3574, 5.1501 by changing the saturation by 10% instead.

■ 22.2179, 19.3574,
5.1501

■ 22.2179, 19.3574,
5.1501

256.2931,
248.4148, 160.2599

■ 14.1346, 11.9288,
2.2753

■ 46.5821, 42.3372,
16.5857

■ 8.2967, 6.6952,
0.7173

■ 63.5936, 58.6571,
25.9835

■ 4.3388, 3.2722,
0.0000

■ 84.3120, 78.7096,
38.3928

■ 1.8955, 1.2755,
0.0000

■ 109.1025,
102.8791, 54.2321

■ 0.5742, 0.1221,
0.0000

■ 138.3305,
131.5500, 73.9199

■ 0.0000, 0.0000,
0.0000

■ 172.3614,

165.1066, 97.8748

211.5605,
203.9334, 126.5153

■ 22.2179, 19.3574,
5.1501

■ 22.2179, 19.3574,
5.1501

■ 21.1063, 17.5666,
3.4473

■ 23.5465, 21.3726,
7.5725

■ 20.1916, 15.9859,
2.3757

■ 25.1068, 23.6193,
10.7868

■ 19.6258, 14.9623,
1.8536

■ 26.9135, 26.1078,
14.8573

■ 28.9796, 28.8466,
19.8415

■ 31.3168, 31.8436,
25.7919

■ 33.9363, 35.1066,
32.7569

■ 36.8485, 38.6428,
40.7815

■ 40.0631, 42.4590,
49.9084

■ 43.5894, 46.5620,
60.1774

Harmonies

Analogous

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



26.6294, 19.3574, 9.1254



22.2179, 19.3574, 5.1501



17.3821, 19.3574, 4.4236

Triad

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



22.2179, 19.3574, 5.1501



10.8160, 19.3574, 24.1847



24.3151, 19.3574, 49.3528

Complementary

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



22.2179, 19.3574, 5.1501



13.5455, 13.9601, 39.5165

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.



19.4540, 19.3574, 58.5471



22.2179, 19.3574, 5.1501



12.0670, 19.3574, 40.5261

Square

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



22.2179, 19.3574, 5.1501



11.3019, 19.3574, 12.3931



15.0442, 19.3574, 54.7706



27.9769, 19.3574, 33.0891

Rectangle

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



22.2179, 19.3574, 5.1501



14.6497, 19.3574, 5.3914



15.0442, 19.3574, 54.7706



22.7381, 19.3574, 53.6295

Sweetspot

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



22.2183, 19.3584, 5.1505



56.2588, 57.2474, 46.6398



20.0194, 11.4612, 15.2055



12.0160, 12.1658, 9.5273



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.2183, 19.3584, 5.1505



36.8135, 29.7809, 4.9388



31.0432, 37.0080, 8.0921



7.8319, 8.1438, 7.9484



14.6807, 11.2587, 1.3994



0.4083, 0.3762, 0.0511

Inverse Universe

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



13.5455, 13.9601, 39.5165



20.4168, 19.5807, 69.9285



9.2652, 5.3996, 38.0898



7.4275, 7.8920, 9.5502



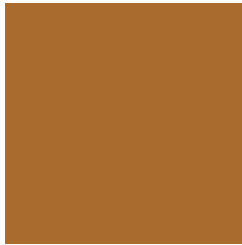
7.7426, 6.9453, 28.9080



0.2397, 0.2716, 0.7204

Previews

White Background



This preview shows how the XYZ color 22.2179, 19.3574, 5.1501 looks on a white background.

Color Contrast Check

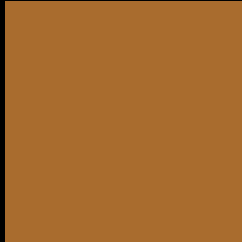
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2179, 19.3574, 5.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

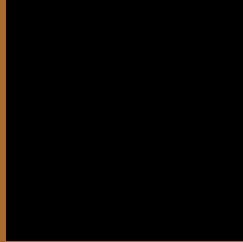
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2179, 19.3574, 5.1501

Background



This preview shows how black text looks on a background with the XYZ color 22.2179, 19.3574, 5.1501.



This preview shows how white text looks on a background with the XYZ color 22.2179, 19.3574,

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

22.2179, 19.3574, 5.1501

Protanopia

17.6886, 19.3836, 5.8267

Deuteranopia

19.8369, 19.4449, 5.0906



Tritanopia

24.6476, 19.2957, 16.8934

Trichromacy



Original Color

22.2179, 19.3574, 5.1501

Protanomaly

19.1284, 19.2402, 5.6113

Deuteranomaly

20.6769, 19.3706, 5.1317

Tritanomaly

23.6433, 19.3432, 11.2916

Monochromacy



Original Color

22.2179, 19.3574, 5.1501

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3790, 18.3525, 12.6989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2179, 19.3574, 5.1501 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(169, 108, 46)` looks like.

```
.text, #text, p{  
    color:rgb(169, 108, 46)  
}
```

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(169, 108, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 108, 46) }
```

Border

The CSS property to change the border of an element to XYZ 22.2179, 19.3574, 5.1501 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(169, 108, 46) }
```


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

```
.border{ border-color:rgb(169, 108, 46) }
```

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

Here you see how a box with a 4 pixel rgb(169, 108, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 108, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 108, 46);  
box-shadow:4px 4px 4px 4px rgb(169, 108,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2179, 19.3574, 5.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 108, 46) }
```

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

```
.background{ background-color: rgb(169,  
108, 46) }
```

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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