

Converting Colors

XYZ(22.3059, 17.7882, 6.0284)

Have a look what the booklet for
XYZ(22.3059, 17.7882, 6.0284)
contains.

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Color

**XYZ(22.2221, 17.7191,
5.9903)**

Conversions

Conversions Part 1

Format	Color
Hex	AD6138
RGB	173, 97, 56
RGB Percent	68%, 38%, 22%
CMY	0.3216, 0.6196, 0.7804
CMYK	0.00, 0.44, 0.68, 0.32
HSL	21°, 51%, 45%
HSV	21°, 68%, 68%
XYZ	22.2221, 17.7191, 5.9903
YIQ	115.0500, 58.4570, 3.3610

Conversions

Conversions Part 2

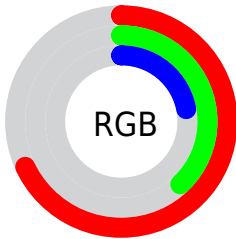
Format	Color
R_{YB}	173, 119, 56
Decimal	11362616
CIE Lab	49.15, 27.19, 36.27
CIE LCh	49, 45.328, 53.141
Yxy	17.7191, 0.4838, 0.3858
Android (android.graphics.Color)	4289552696 (0xFFAD6138)
YUV	115.0500, -29.1116, 50.8222
Hunter-Lab	42.0941, 20.5683, 21.0284

Details

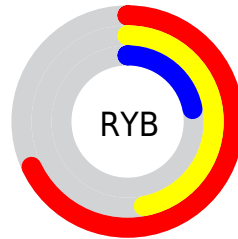
The XYZ color **22.2221, 17.7191, 5.9903** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.4245, 20.3595, 42.5464**, and the grayscale version is **16.3844, 17.2377, 18.7718**.

A 20% lighter version of the original color is **46.3673, 39.3351, 18.2453**, and **8.3556, 5.9315, 0.9917** is the 20% darker color. If you saturate the color by 10%, you get **20.9041, 15.6473, 3.8121**, and if you desaturate by 10%, it is **23.8342, 20.1455, 8.9881**.

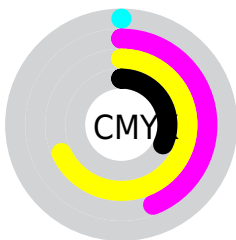
Distribution



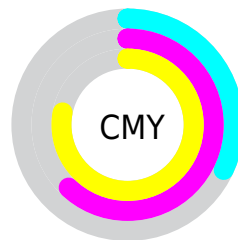
- Red (68%)
- Green (38%)
- Blue (22%)



- Red (68%)
- Yellow (47%)
- Blue (22%)



- Cyan (0%)
- Magenta (44%)
- Yellow (68%)
- Black (32%)





- Cyan (32%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2221, 17.7191, 5.9903 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 22.2221, 17.7191, 5.9903 by changing the saturation by 10% instead.


 22.2221, 17.7191,
5.9903


 22.2221, 17.7191,
5.9903


256.3146,
239.2830, 168.2877


 14.1377, 10.7485,
2.7705


 46.5889, 39.5581,
18.3881


 8.2988, 5.8980,
0.9787


 63.6021, 55.1953,
28.4031

 4.3402, 2.7831,
0.0000

 84.3222, 74.4901,
41.5203

 1.8963, 1.0196,
0.0000

 109.1146, 97.8270,
58.1582

 0.5747, 0.0000,
0.0000

 138.3447,
125.5903, 78.7354

 0.0000, 0.0000,
0.0000

 172.3778,

158.1645, 103.6703

211.5793,
195.9339, 133.3815

■ 22.2221, 17.7191,
5.9903

■ 22.2221, 17.7191,
5.9903

■ 20.9041, 15.6473,
3.8121

■ 23.8342, 20.1455,
8.9881

■ 19.8570, 13.9086,
2.3672

■ 25.7587, 22.9406,
12.8780

■ 19.0498, 12.4808,
1.5228

■ 28.0132, 26.1212,
17.7253

■ 18.8826, 12.1823,
1.3562

■ 30.6141, 29.7020,
23.5891

■ 33.5761, 33.6970,
30.5235

■ 36.9133, 38.1193,
38.5789

■ 40.6389, 42.9816,
47.8023

■ 44.7656, 48.2959,
58.2382

■ 49.3051, 54.0738,
69.9286

Harmonies

Analogous

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



25.5083, 17.7191, 11.4933



22.2221, 17.7191, 5.9903



17.8343, 17.7191, 4.1543

Triad

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



22.2221, 17.7191, 5.9903



9.9731, 17.7191, 16.6360



20.2538, 17.7191, 49.7231

Complementary

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



22.2221, 17.7191, 5.9903



17.4245, 20.3595, 42.5464

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.



15.8862, 17.7191, 53.0110



22.2221, 17.7191, 5.9903



10.4006, 17.7191, 30.0037

Square

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



22.2221, 17.7191, 5.9903



11.1230, 17.7191, 8.4009



12.4081, 17.7191, 44.6619



24.2452, 17.7191, 36.9672

Rectangle

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



22.2221, 17.7191, 5.9903



15.0547, 17.7191, 4.3160



12.4081, 17.7191, 44.6619



18.7643, 17.7191, 52.1440

Sweetspot

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



22.2225, 17.7200, 5.9906



58.6249, 58.3288, 51.0928



22.8161, 13.3800, 23.2279



12.4242, 12.2502, 10.3608



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.2225, 17.7200, 5.9906



36.4829, 26.4608, 5.4352



29.7438, 32.7625, 8.4977



8.2263, 8.4574, 8.4122



13.9213, 9.0482, 1.0127



0.4395, 0.3562, 0.0456

Inverse Universe

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



17.4245, 20.3595, 42.5464



27.1822, 31.2939, 75.4134



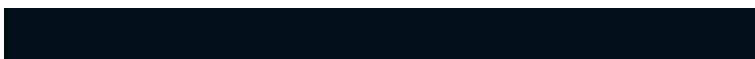
11.5927, 8.6958, 40.6025



7.9965, 8.5924, 10.1897



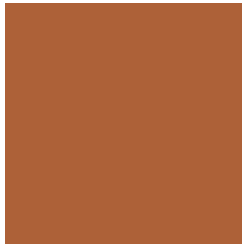
9.8832, 10.9002, 30.6276



0.3237, 0.4007, 0.8683

Previews

White Background



This preview shows how the XYZ color 22.2221, 17.7191, 5.9903 looks on a white 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

Black Background



This preview shows how the XYZ color 22.2221, 17.7191, 5.9903 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 22.2221, 17.7191, 5.9903

Background



This preview shows how black text looks on a background with the XYZ color 22.2221, 17.7191, 5.9903.



This preview shows how white text looks on a background with the XYZ color 22.2221, 17.7191,

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

22.2221, 17.7191, 5.9903

Protanopia

16.3118, 17.7486, 7.2687

Deuteranopia

18.1138, 17.8651, 5.8618



Tritanopia

23.7585, 17.6691, 13.9626

Trichromacy



Original Color

22.2221, 17.7191, 5.9903

Protanomaly

18.0686, 17.4978, 6.7001

Deuteranomaly

19.4411, 17.7503, 5.8915

Tritanomaly

23.0196, 17.6286, 10.3730

Monochromacy



Original Color

22.2221, 17.7191, 5.9903

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.5363, 16.7675, 12.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2221, 17.7191, 5.9903 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(173, 97, 56)` looks like.

```
.text, #text, p{  
    color:rgb(173, 97, 56)  
}
```

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(173, 97, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 97, 56) }
```

Border

The CSS property to change the border of an element to XYZ 22.2221, 17.7191, 5.9903 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(173, 97, 56) }
```


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

```
.border{ border-color:rgb(173, 97, 56) }
```

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

Here you see how a box with a 4 pixel rgb(173, 97, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 97, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 97, 56);  
box-shadow:4px 4px 4px 4px rgb(173, 97,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2221, 17.7191, 5.9903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 97, 56) }
```

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

```
.background{ background-color: rgb(173, 97,  
56) }
```

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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