

Converting Colors

XYZ(22.2410, 18.5443, 14.3896)

Have a look what the booklet for
XYZ(22.2410, 18.5443, 14.3896)
contains.

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Color

**XYZ(22.3548, 18.6073,
14.4699)**

Conversions

Conversions Part 1

Format	Color
Hex	A36864
RGB	163, 104, 100
RGB Percent	64%, 41%, 39%
CMY	0.3608, 0.5921, 0.6078
CMYK	0.00, 0.36, 0.39, 0.36
HSL	4°, 26%, 52%
HSV	4°, 39%, 64%
XYZ	22.3548, 18.6073, 14.4699
YIQ	121.1850, 36.4480, 11.2640

Conversions

Conversions Part 2

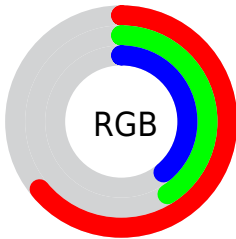
Format	Color
R_{YB}	163, 104, 100
Decimal	10709092
CIE _{Lab}	50.22, 23.19, 12.12
CIE _{LCh}	50, 26.162, 27.594
Yxy	18.6073, 0.4033, 0.3357
Android (android.graphics.Color)	4288899172 (0xFFA36864)
YUV	121.1850, -10.4442, 36.6718
Hunter-Lab	43.1362, 17.0171, 10.3067

Details

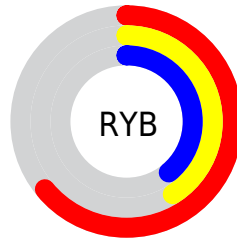
The XYZ color **22.3548, 18.6073, 14.4699** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2638, 30.1485, 39.1906**, and the grayscale version is **18.2587, 19.2096, 20.9193**.

A 20% lighter version of the original color is **46.9896, 41.2269, 34.7591**, and **8.3635, 6.3366, 4.1504** is the 20% darker color. If you saturate the color by 10%, you get **20.2436, 15.5236, 10.2556**, and if you desaturate by 10%, it is **24.9030, 22.3122, 19.6090**.

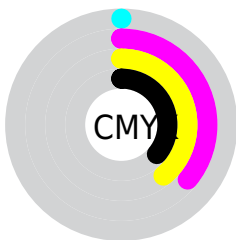
Distribution



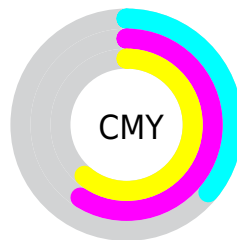
- Red (64%)
- Green (41%)
- Blue (39%)



- Red (64%)
- Yellow (41%)
- Blue (39%)



- Cyan (0%)
- Magenta (36%)
- Yellow (39%)
- Black (36%)





- Cyan (36%)
- Magenta (59%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3548, 18.6073, 14.4699 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 22.3548, 18.6073, 14.4699 by changing the saturation by 10% instead.


 22.3548, 18.6073,
14.4699


 22.3548, 18.6073,
14.4699


256.9912,
244.2722, 231.6640


 14.2359, 11.3869,
8.3057


 46.8062, 41.0695,
34.6495

 8.3677, 6.3277,
4.2006


 63.8694, 57.0800,
49.5021

 4.3849, 3.0453,
1.7360


 84.6448, 76.7893,
68.0879

 1.9221, 1.1554,
0.3853

 109.4976,
100.5819, 90.8255

 0.5896, 0.0249,
0.0000

138.7934,
128.8421, 118.1333

 0.0000, 0.0000,
0.0000

172.8973,

161.9542, 150.4300

212.1748,
200.3028, 188.1340

■ 22.3548, 18.6073,
14.4699

■ 22.3548, 18.6073,
14.4699

■ 20.2436, 15.5236,
10.2556

■ 24.9030, 22.3122,
19.6090

■ 18.5434, 13.0246,
6.9101

■ 27.9092, 26.6668,
25.7222

■ 17.2278, 11.0740,
4.3731


■ 31.3950, 31.7011,
32.8564


■ 16.2666, 9.6307,
2.5762


■ 35.3801, 37.4426,
41.0555


■ 15.6253, 8.6475,
1.4396


■ 39.8831, 43.9171,
50.3606

 15.2529, 8.0646,
0.8159

 44.9215, 51.1491,
60.8107

 15.2167, 8.0114,
0.7444

 50.5123, 59.1620,
72.4428

 56.6715, 67.9784,
85.2924

 63.4146, 77.6196,
99.3933

Harmonies

Analogous

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



23.0026, 18.6073, 20.8506



22.3548, 18.6073, 14.4699



20.4218, 18.6073, 10.6303

Triad

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



22.3548, 18.6073, 14.4699



13.8897, 18.6073, 13.6757



17.4823, 18.6073, 37.6027

Complementary

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



22.3548, 18.6073, 14.4699



24.2638, 30.1485, 39.1906

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.



15.2056, 18.6073, 34.4389



22.3548, 18.6073, 14.4699



13.2586, 18.6073, 19.6811

Square

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



22.3548, 18.6073, 14.4699



15.5276, 18.6073, 10.2545



13.7167, 18.6073, 27.4197



20.0350, 18.6073, 35.2785

Rectangle

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



22.3548, 18.6073, 14.4699



18.7511, 18.6073, 9.4756



13.7167, 18.6073, 27.4197



16.6614, 18.6073, 37.1320

Sweetspot

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



22.3553, 18.6082, 14.4703



53.8950, 53.4103, 54.0636



25.9935, 19.4338, 35.5699



11.9314, 11.7456, 11.7878



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.3553, 18.6082, 14.4703



36.8787, 28.7151, 19.6054



26.0197, 25.9371, 15.6917



7.1082, 7.1549, 7.3865



11.8391, 6.2521, 0.5828



0.2590, 0.1518, 0.0156

Inverse Universe

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



24.2638, 30.1485, 39.1906



40.7589, 52.2168, 69.9868



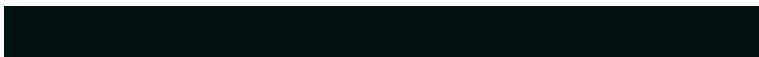
19.6314, 20.8836, 37.6465



7.2374, 7.9338, 9.0530



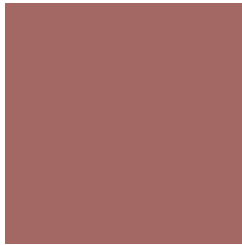
13.9578, 19.6950, 29.9956



0.3040, 0.4353, 0.6339

Previews

White Background



This preview shows how the XYZ color 22.3548, 18.6073, 14.4699 looks on a white background.

Color Contrast Check

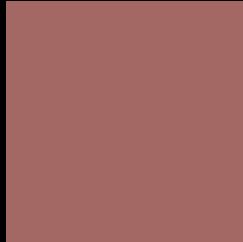
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3548, 18.6073, 14.4699 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 22.3548, 18.6073, 14.4699

Background



This preview shows how black text looks on a background with the XYZ color 22.3548, 18.6073, 14.4699.

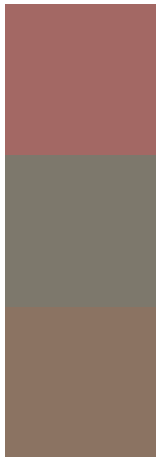


This preview shows how white text looks on a background with the XYZ color 22.3548, 18.6073,

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

22.3548, 18.6073, 14.4699

Protanopia

17.8807, 18.8756, 16.8883

Deuteranopia

18.9828, 18.6323, 14.1512



Tritanopia

22.8757, 18.5210, 17.1211

Trichromacy



Original Color

22.3548, 18.6073, 14.4699

Protanomaly

19.2146, 18.5435, 15.9311

Deuteranomaly

20.1493, 18.5656, 14.3259

Tritanomaly

22.7616, 18.6336, 16.0326

Monochromacy



Original Color

22.3548, 18.6073, 14.4699

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2647, 18.6880, 18.2146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3548, 18.6073, 14.4699 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(163, 104, 100)` looks like.

```
.text, #text, p{  
    color:rgb(163, 104, 100)  
}
```

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(163, 104, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 104, 100) }
```

Border

The CSS property to change the border of an element to XYZ 22.3548, 18.6073, 14.4699 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(163, 104, 100) }
```


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

```
.border{ border-color:rgb(163, 104, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 104, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 104, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 104, 100);  
box-shadow:4px 4px 4px 4px rgb(163, 104,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3548, 18.6073, 14.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 104, 100) }
```

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

```
.background{ background-color: rgb(163,  
104, 100) }
```

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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