

Converting Colors

XYZ(22.5308, 16.1066, 16.3774)

Have a look what the booklet for
XYZ(22.5308, 16.1066, 16.3774)
contains.

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Color

**XYZ(22.5864, 16.1472,
16.3943)**

Conversions

Conversions Part 1

Format	Color
Hex	AA556D
RGB	170, 85, 109
RGB Percent	67%, 33%, 43%
CMY	0.3333, 0.6666, 0.5725
CMYK	0.00, 0.50, 0.36, 0.33
HSL	343°, 33%, 50%
HSV	343°, 50%, 67%
XYZ	22.5864, 16.1472, 16.3943
YIQ	113.1510, 42.9560, 25.4840

Conversions

Conversions Part 2

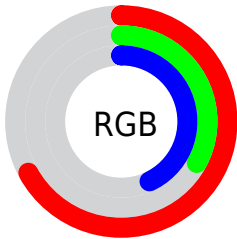
Format	Color
R _Y B	170, 85, 109
Decimal	11162989
CIE Lab	47.17, 37.43, 2.51
CIE LCh	47, 37.511, 3.835
Yxy	16.1472, 0.4097, 0.2929
Android (android.graphics.Color)	4289353069 (0xFFAA556D)
YUV	113.1510, -2.0464, 49.8566
Hunter-Lab	40.1836, 30.0101, 3.9391

Details

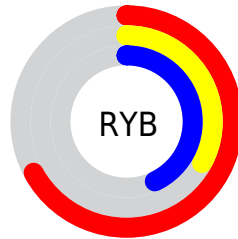
The XYZ color **22.5864, 16.1472, 16.3943** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.3102, 32.7565, 32.2901**, and the grayscale version is **15.7383, 16.5579, 18.0316**.

A 20% lighter version of the original color is **47.2857, 36.9234, 37.8924**, and **8.5408, 5.1947, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **20.7934, 13.5403, 12.7780**, and if you desaturate by 10%, it is **24.7930, 19.4352, 20.5986**.

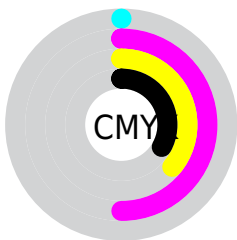
Distribution



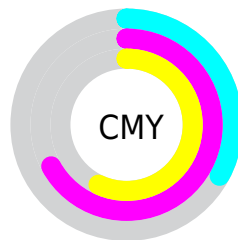
- Red (67%)
- Green (33%)
- Blue (43%)



- Red (67%)
- Yellow (33%)
- Blue (43%)



- Cyan (0%)
- Magenta (50%)
- Yellow (36%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5864, 16.1472, 16.3943 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 22.5864, 16.1472, 16.3943 by changing the saturation by 10% instead.

■ 22.5864, 16.1472,
16.3943

■ 22.5864, 16.1472,
16.3943

258.1687,
230.2088, 243.5819

■ 14.4074, 9.6284,
9.6462

■ 47.1850, 36.8536,
38.0577

■ 8.4882, 5.1533,
5.0625

■ 64.3353, 51.8099,
53.8100

■ 4.4633, 2.3375,
2.2246

■ 85.2067, 70.3475,
73.4009

■ 1.9674, 0.7934,
0.6885

■ 110.1647, 92.8508,
97.2488

■ 0.6156, 0.0000,
0.0000

■ 139.5745,
119.7042, 125.7724

■ 0.0000, 0.0000,
0.0000

173.8015,

151.2920, 159.3900

213.2111,
187.9988, 198.5204

■ 22.5864, 16.1472,
16.3943

■ 22.5864, 16.1472,
16.3943

■ 20.7934, 13.5403,
12.7780

■ 24.7930, 19.4352,
20.5986

■ 19.3854, 11.5637,
9.7214

■ 27.4365, 23.4455,
25.4155

■ 18.3325, 10.1635,
7.1948


■ 30.5399, 28.2188,
30.8695


■ 17.5990, 9.2755,
5.1653

■ 34.1243, 33.7921,
36.9830


■ 17.1111, 8.7595,
3.5849


■ 38.2093, 40.1999,
43.7776

 17.1110, 8.7594,
3.5845

 42.8137, 47.4748,
51.2738

 47.9549, 55.6476,
59.4913

 53.6497, 64.7475,
68.4489

 59.9143, 74.8025,
78.1647

Harmonies

Analogous

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



21.7737, 16.1472, 26.8706



22.5864, 16.1472, 16.3943



21.2424, 16.1472, 9.2822

Triad

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



22.5864, 16.1472, 16.3943



12.0795, 16.1472, 6.3970



12.7168, 16.1472, 39.4465

Complementary

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



22.5864, 16.1472, 16.3943



23.3102, 32.7565, 32.2901

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.



10.6584, 16.1472, 29.7607



22.5864, 16.1472, 16.3943



10.3291, 16.1472, 10.7258

Square

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



22.5864, 16.1472, 16.3943



14.9271, 16.1472, 4.9711



9.8485, 16.1472, 18.8248



15.7756, 16.1472, 42.6503

Rectangle

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



22.5864, 16.1472, 16.3943



19.4033, 16.1472, 6.6154



9.8485, 16.1472, 18.8248



11.9002, 16.1472, 36.7041

Sweetspot

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



22.5868, 16.1480, 16.3946



58.3733, 55.7932, 61.0988



22.3441, 15.5036, 39.8451



12.7258, 11.9892, 13.1260



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.



22.5868, 16.1480, 16.3946



37.4156, 24.1221, 22.5308



23.1097, 18.9864, 11.0421



7.6149, 7.5758, 8.2895



12.6082, 6.4520, 2.7484



0.3283, 0.1656, 0.1800

Inverse Universe

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



22.5868, 16.1480, 16.3946



37.4156, 24.1221, 22.5308



22.1634, 27.1557, 42.1037



7.6149, 7.5758, 8.2895



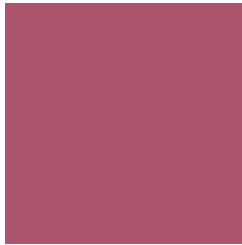
12.6082, 6.4520, 2.7484



0.3283, 0.1656, 0.1800

Previews

White Background



This preview shows how the XYZ color 22.5864, 16.1472, 16.3943 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 22.5864, 16.1472, 16.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

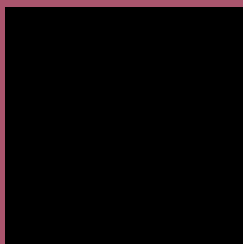
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 22.5864, 16.1472, 16.3943

Background



This preview shows how black text looks on a background with the XYZ color 22.5864, 16.1472, 16.3943.



This preview shows how white text looks on a background with the XYZ color 22.5864, 16.1472,

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

22.5864, 16.1472, 16.3943

Protanopia

16.0514, 16.4485, 21.7309

Deuteranopia

16.6226, 16.3928, 15.6526



Tritanopia

21.8723, 16.2226, 12.5682

Trichromacy



Original Color

22.5864, 16.1472, 16.3943

Protanomaly

17.5969, 15.7402, 19.5635

Deuteranomaly

18.3140, 15.9057, 15.7405

Tritanomaly

22.0225, 16.1523, 13.7614

Monochromacy



Original Color

22.5864, 16.1472, 16.3943

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.6064, 15.9387, 17.4777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5864, 16.1472, 16.3943 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(170, 85, 109)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 109)  
}
```

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(170, 85, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 109) }
```

Border

The CSS property to change the border of an element to XYZ 22.5864, 16.1472, 16.3943 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(170, 85, 109) }
```


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

```
.border{ border-color:rgb(170, 85, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 85, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 109);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5864, 16.1472, 16.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 109) }
```

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

```
.background{ background-color: rgb(170, 85,  
109) }
```

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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