

Converting Colors

XYZ(22.2860, 16.2617, 16.4579)

Have a look what the booklet for
XYZ(22.2860, 16.2617, 16.4579)
contains.

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Color

**XYZ(22.3170, 16.2453,
16.4274)**

Conversions

Conversions Part 1

Format	Color
Hex	A8576D
RGB	168, 87, 109
RGB Percent	66%, 34%, 43%
CMY	0.3412, 0.6588, 0.5725
CMYK	0.00, 0.48, 0.35, 0.34
HSL	344°, 32%, 50%
HSV	344°, 48%, 66%
XYZ	22.3170, 16.2453, 16.4274
YIQ	113.7270, 41.2140, 24.0140

Conversions

Conversions Part 2

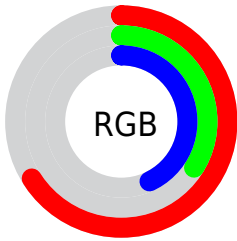
Format	Color
R_{YB}	168, 87, 109
Decimal	11032429
CIE _{Lab}	47.29, 35.64, 2.66
CIE _{LCh}	47, 35.740, 4.264
Yxy	16.2453, 0.4058, 0.2954
Android (android.graphics.Color)	4289222509 (0xFFA8576D)
YUV	113.7270, -2.3304, 47.5974
Hunter-Lab	40.3055, 28.3003, 4.0488

Details

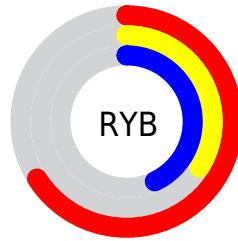
The XYZ color **22.3170, 16.2453, 16.4274** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.1222, 32.1073, 32.1745**, and the grayscale version is **15.9110, 16.7396, 18.2294**.

A 20% lighter version of the original color is **46.6291, 37.0109, 37.9439**, and **8.3411, 5.1816, 5.1180** is the 20% darker color. If you saturate the color by 10%, you get **20.4981, 13.5895, 12.7940**, and if you desaturate by 10%, it is **24.5450, 19.5725, 20.6500**.

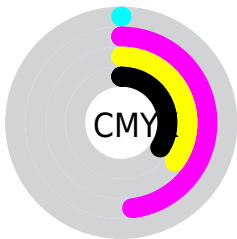
Distribution



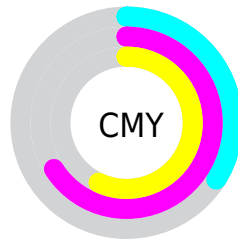
- Red (66%)
- Green (34%)
- Blue (43%)



- Red (66%)
- Yellow (34%)
- Blue (43%)



- Cyan (0%)
- Magenta (48%)
- Yellow (35%)
- Black (34%)



- Cyan (34%)
- Magenta (66%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3170, 16.2453, 16.4274 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 22.3170, 16.2453, 16.4274 by changing the saturation by 10% instead.

■ 22.3170, 16.2453,
16.4274

■ 22.3170, 16.2453,
16.4274

256.7986,
230.7849, 243.7819

■ 14.2079, 9.6979,
9.6695

■ 46.7443, 37.0235,
38.1157

■ 8.3481, 5.1991,
5.0776

■ 63.7933, 52.0232,
53.8831

■ 4.3721, 2.3646,
2.2334

■ 84.5529, 70.6090,
73.4908

■ 1.9148, 0.8076,
0.6935

■ 109.3886, 93.1654,
97.3573

■ 0.5854, 0.0000,
0.0000

■ 138.6656,
120.0768, 125.9011

■ 0.0000, 0.0000,
0.0000

172.7494,

151.7276, 159.5408

212.0053,
188.5021, 198.6948

■ 22.3170, 16.2453,
16.4274

■ 22.3170, 16.2453,
16.4274

■ 20.4981, 13.5895,
12.7940

■ 24.5450, 19.5725,
20.6500

■ 19.0610, 11.5565,
9.7218

■ 27.2045, 23.6103,
25.4865

■ 17.9770, 10.0952,
7.1813


■ 30.3179, 28.3978,
30.9608

■ 17.2122, 9.1451,
5.1399


■ 33.9053, 33.9706,
37.0957


■ 16.7108, 8.6020,
3.5556

■ 37.9859, 40.3619,
43.9124

 16.6343, 8.5192,
3.3137

 42.5777, 47.6030,
51.4316

 47.6978, 55.7236,
59.6726

 53.3625, 64.7520,
68.6544

 59.5873, 74.7151,
78.3949

Harmonies

Analogous

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



21.5773, 16.2453, 26.3587



22.3170, 16.2453, 16.4274



21.0183, 16.2453, 9.5972

Triad

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



22.3170, 16.2453, 16.4274



12.2700, 16.2453, 6.8624



12.9528, 16.2453, 38.4158

Complementary

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



22.3170, 16.2453, 16.4274



23.1222, 32.1073, 32.1745

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.



10.9490, 16.2453, 29.3877



22.3170, 16.2453, 16.4274



10.5941, 16.2453, 11.1644

Square

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



22.3170, 16.2453, 16.4274



14.9939, 16.2453, 5.4016



10.1454, 16.2453, 19.0123



15.8963, 16.2453, 41.2953

Rectangle

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



22.3170, 16.2453, 16.4274



19.2629, 16.2453, 6.9995



10.1454, 16.2453, 19.0123



12.1608, 16.2453, 35.8774

Sweetspot

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



22.3174, 16.2461, 16.4277



57.4857, 55.3574, 60.4400



22.1626, 15.6687, 38.9023



12.2435, 11.6222, 12.6817



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.



22.3174, 16.2461, 16.4277



36.9480, 24.3025, 22.7021



22.8752, 19.0255, 11.4844



7.6117, 7.5745, 8.2724



12.5805, 6.4409, 2.6024



0.3270, 0.1651, 0.1737

Inverse Universe

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



22.3174, 16.2461, 16.4277



36.9480, 24.3025, 22.7021



21.9773, 26.8106, 41.0627



7.6117, 7.5745, 8.2724



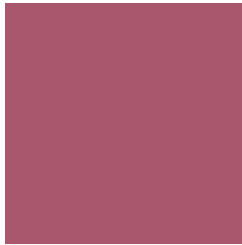
12.5805, 6.4409, 2.6024



0.3270, 0.1651, 0.1737

Previews

White Background



This preview shows how the XYZ color 22.3170, 16.2453, 16.4274 looks on a white background.

Color Contrast Check

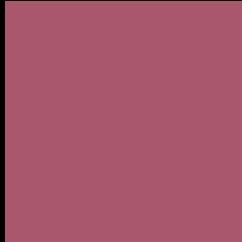
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3170, 16.2453, 16.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

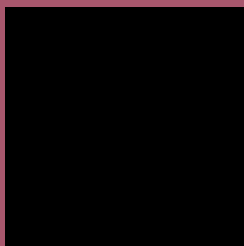
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3170, 16.2453, 16.4274

Background



This preview shows how black text looks on a background with the XYZ color 22.3170, 16.2453, 16.4274.



This preview shows how white text looks on a background with the XYZ color 22.3170, 16.2453,

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

22.3170, 16.2453, 16.4274

Protanopia

16.1144, 16.4883, 21.4020

Deuteranopia

16.6226, 16.3928, 15.6526



Tritanopia

21.6200, 16.2048, 13.0547

Trichromacy



Original Color

22.3170, 16.2453, 16.4274

Protanomaly

17.6957, 15.9379, 19.5964

Deuteranomaly

18.2397, 16.0107, 15.7647

Tritanomaly

21.7750, 16.1345, 14.2785

Monochromacy



Original Color

22.3170, 16.2453, 16.4274

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.7065, 16.1388, 17.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3170, 16.2453, 16.4274 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(168, 87, 109)` looks like.

```
.text, #text, p{  
    color:rgb(168, 87, 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(168, 87, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 87, 109) }
```

Border

The CSS property to change the border of an element to XYZ 22.3170, 16.2453, 16.4274 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(168, 87, 109) }
```


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

```
.border{ border-color:rgb(168, 87, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 87, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 87, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 87, 109);  
box-shadow:4px 4px 4px 4px rgb(168, 87,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3170, 16.2453, 16.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 87, 109) }
```

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

```
.background{ background-color: rgb(168, 87,  
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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