

Converting Colors

XYZ(24.5942, 22.3972, 11.9869)

Have a look what the booklet for
XYZ(24.5942, 22.3972, 11.9869)
contains.

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Color

**XYZ(24.5852, 22.4459,
12.0535)**

Conversions

Conversions Part 1

Format	Color
Hex	A87857
RGB	168, 120, 87
RGB Percent	66%, 47%, 34%
CMY	0.3412, 0.5294, 0.6588
CMYK	0.00, 0.29, 0.48, 0.34
HSL	24°, 32%, 50%
HSV	24°, 48%, 66%
XYZ	24.5852, 22.4459, 12.0535
YIQ	130.5900, 39.2010, -0.0870

Conversions

Conversions Part 2

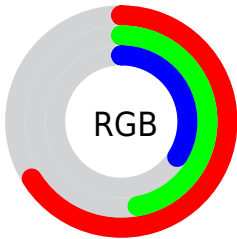
Format	Color
R_{YB}	168, 143, 87
Decimal	11040855
CIE _{Lab}	54.50, 14.71, 25.51
CIE _{LCh}	54, 29.452, 60.033
Yxy	22.4459, 0.4161, 0.3799
Android (android.graphics.Color)	4289230935 (0xFFA87857)
YUV	130.5900, -21.4899, 32.8086
Hunter-Lab	47.3771, 9.7183, 18.0796

Details

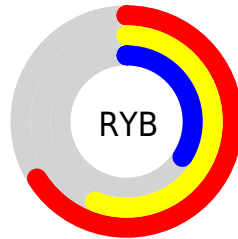
The XYZ color **24.5852, 22.4459, 12.0535** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.6619, 22.1803, 40.2906**, and the grayscale version is **21.4921, 22.6113, 24.6237**.

A 20% lighter version of the original color is **50.3192, 47.3187, 30.1482**, and **9.4635, 8.1773, 3.1774** is the 20% darker color. If you saturate the color by 10%, you get **22.8416, 19.9322, 8.4711**, and if you desaturate by 10%, it is **26.6142, 25.2747, 16.5196**.

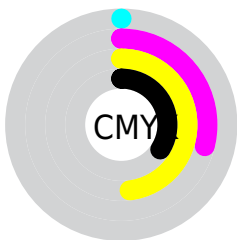
Distribution



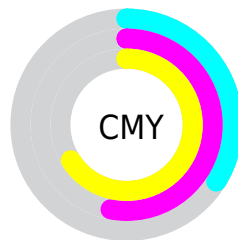
- Red (66%)
- Green (47%)
- Blue (34%)



- Red (66%)
- Yellow (56%)
- Blue (34%)



- Cyan (0%)
- Magenta (29%)
- Yellow (48%)
- Black (34%)





- Cyan (34%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5852, 22.4459, 12.0535 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 24.5852, 22.4459, 12.0535 by changing the saturation by 10% instead.

 24.5852, 22.4459,
12.0535

 24.5852, 22.4459,
12.0535


268.1518,
264.8661, 215.7496


 15.8954, 14.1849,
6.6571


 50.4312, 47.4819,
30.2584


 9.5405, 8.2494,
3.1734


 68.3182, 65.0256,
43.9039


 5.1553, 4.2549,
1.1839

 90.0015, 86.4325,
61.1363

 2.3744, 1.8172,
0.0000

 115.8466,
112.0867, 82.3741

 0.8323, 0.4978,
0.0000

 146.2188,
142.3728, 108.0358

 0.0000, 0.0000,
0.0000

181.4835,

177.6752, 138.5399

222.0061,
218.3781, 174.3050

■ 24.5852, 22.4459,
12.0535

■ 24.5852, 22.4459,
12.0535

■ 22.8416, 19.9322,
8.4711

■ 26.6142, 25.2747,
16.5196

■ 21.3666, 17.7182,
5.7105

■ 28.9407, 28.4265,
21.9227

■ 20.1441, 15.7920,
3.7040

■ 31.5780, 31.9133,
28.3135

■ 19.1552, 14.1392,
2.3721

■ 34.5381, 35.7450,
35.7388

■ 18.3695, 12.7407,
1.5772

■ 37.8323, 39.9314,
44.2421

■ 18.2430, 12.5140,
1.4539

■ 41.4714, 44.4817,
53.8645

■ 45.4655, 49.4049,
64.6451

■ 49.8245, 54.7096,
76.6209

■ 54.5577, 60.4039,
89.8273

Harmonies

Analogous

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



27.1679, 22.4459, 16.5826



24.5852, 22.4459, 12.0535



21.3306, 22.4459, 10.6309

Triad

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



24.5852, 22.4459, 12.0535



15.7126, 22.4459, 24.4500



24.5920, 22.4459, 43.2727

Complementary

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



24.5852, 22.4459, 12.0535



19.6619, 22.1803, 40.2906

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.



21.3377, 22.4459, 46.8586



24.5852, 22.4459, 12.0535



16.4017, 22.4459, 34.4537

Square

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



24.5852, 22.4459, 12.0535



16.3987, 22.4459, 16.5963



18.3831, 22.4459, 43.2878



27.1721, 22.4459, 34.4314

Rectangle

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



24.5852, 22.4459, 12.0535



19.2789, 22.4459, 11.2600



18.3831, 22.4459, 43.2878



23.5306, 22.4459, 45.2191

Sweetspot

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



24.5858, 22.4470, 12.0539



59.3573, 60.5869, 56.4816



23.9722, 16.9076, 25.1439



12.7002, 12.8970, 11.7197



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.



24.5858, 22.4470, 12.0539



41.2032, 35.8072, 14.8894



30.4222, 34.1198, 13.9994



7.7727, 8.0255, 7.9287



13.8243, 9.5459, 1.1139



0.3869, 0.3334, 0.0440

Inverse Universe

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



19.6619, 22.1803, 40.2906



31.1556, 35.2224, 72.3816



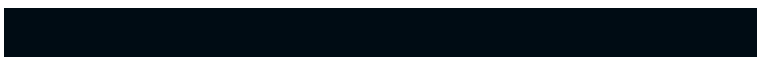
15.0997, 13.0560, 38.7699



7.4874, 8.0116, 9.5701



8.7974, 9.0549, 29.2596



0.2624, 0.3170, 0.7280

Previews

White Background



This preview shows how the XYZ color 24.5852, 22.4459, 12.0535 looks on a white background.

Color Contrast Check

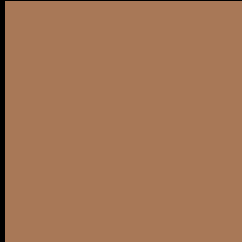
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5852, 22.4459, 12.0535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

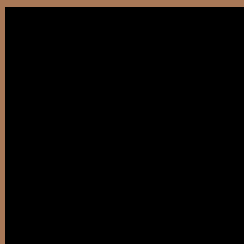
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5852, 22.4459, 12.0535

Background



This preview shows how black text looks on a background with the XYZ color 24.5852, 22.4459, 12.0535.



This preview shows how white text looks on a background with the XYZ color 24.5852, 22.4459,

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

24.5852, 22.4459, 12.0535

Protanopia

20.9891, 22.6507, 13.1633

Deuteranopia

22.9180, 22.5072, 11.9405



Tritanopia

26.5634, 22.3746, 21.9875

Trichromacy



Original Color

24.5852, 22.4459, 12.0535

Protanomaly

22.1973, 22.4962, 12.8451

Deuteranomaly

23.4606, 22.4149, 11.8941

Tritanomaly

25.8081, 22.4163, 18.0055

Monochromacy



Original Color

24.5852, 22.4459, 12.0535

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1855, 22.3458, 19.3635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5852, 22.4459, 12.0535 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, 120, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 120, 87)  
}
```

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, 120, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 120, 87) }
```

Border

The CSS property to change the border of an element to XYZ 24.5852, 22.4459, 12.0535 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, 120, 87) }
```


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

```
.border{ border-color:rgb(168, 120, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 120, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 120, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 120, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 120,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5852, 22.4459, 12.0535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 120, 87) }
```

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

```
.background{ background-color: rgb(168,  
120, 87) }
```

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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