

Converting Colors

XYZ(27.7077, 24.5668, 11.8443)

Have a look what the booklet for
XYZ(27.7077, 24.5668, 11.8443)
contains.

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Color

**XYZ(27.7787, 24.6456,
11.8873)**

Conversions

Conversions Part 1

Format	Color
Hex	B57B55
RGB	181, 123, 85
RGB Percent	71%, 48%, 33%
CMY	0.2902, 0.5176, 0.6667
CMYK	0.00, 0.32, 0.53, 0.29
HSL	24°, 39%, 52%
HSV	24°, 53%, 71%
XYZ	27.7787, 24.6456, 11.8873
YIQ	136.0100, 46.7660, 0.4780

Conversions

Conversions Part 2

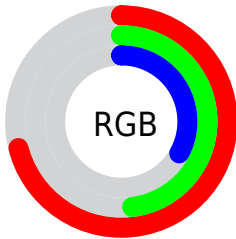
Format	Color
R_{YB}	181, 148, 85
Decimal	11893589
CIE _{Lab}	56.73, 18.33, 29.81
CIE _{LCh}	57, 34.990, 58.410
Yxy	24.6456, 0.4319, 0.3832
Android (android.graphics.Color)	4290083669 (0xFFB57B55)
YUV	136.0100, -25.1479, 39.4562
Hunter-Lab	49.6443, 13.0029, 20.5541

Details

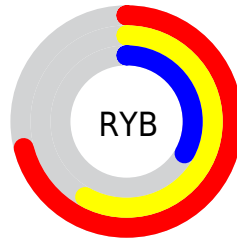
The XYZ color **27.7787, 24.6456, 11.8873** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.9087, 24.9111, 47.3694**, and the grayscale version is **23.4850, 24.7081, 26.9071**.

A 20% lighter version of the original color is **55.4951, 51.1507, 29.8698**, and **11.2724, 9.4040, 3.1405** is the 20% darker color. If you saturate the color by 10%, you get **25.8681, 21.8317, 8.1452**, and if you desaturate by 10%, it is **30.0260, 27.8386, 16.6495**.

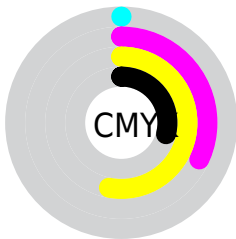
Distribution



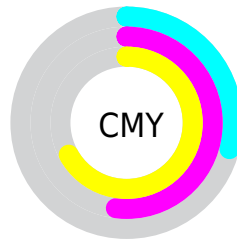
- Red (71%)
- Green (48%)
- Blue (33%)



- Red (71%)
- Yellow (58%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (53%)
- Black (29%)



- Cyan (29%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7787, 24.6456, 11.8873 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 27.7787, 24.6456, 11.8873 by changing the saturation by 10% instead.


 27.7787, 24.6456,
11.8873


 27.7787, 24.6456,
11.8873


283.5072,
276.0684, 214.6091


 18.2985, 15.8132,
6.5454


 55.5420, 51.0817,
29.9510

 11.2655, 9.3921,
3.1053


 74.5559, 69.4542,
43.5099


 6.3143, 4.9978,
1.1487


 97.4784, 91.7755,
60.6448

 3.0796, 2.2460,
0.0000

 124.6748,
118.4301, 81.7743

 1.1960, 0.7449,
0.0000

 156.5106,
149.8022, 107.3169

 0.1032, 0.0000,
0.0000

193.3510,

 0.0000, 0.0000,

186.2764, 137.6913

0.0000

235.5614,
228.2370, 173.3158

■ 27.7787, 24.6456,
11.8873

■ 27.7787, 24.6456,
11.8873

■ 25.8681, 21.8317,
8.1452

■ 30.0260, 27.8386,
16.6495

■ 24.2731, 19.3776,
5.3447

■ 32.6257, 31.4215,
22.4993

■ 22.9726, 17.2675,
3.3980

■ 35.5946, 35.4094,
29.5003

■ 21.9413, 15.4823,
2.1994

■ 38.9478, 39.8152,
37.7104

■ 21.3510, 14.4139,
1.6568

■ 42.6995, 44.6513,
47.1840

■ 46.8631, 49.9294,
57.9717

■ 51.4514, 55.6610,
70.1216

■ 56.4765, 61.8569,
83.6793

■ 61.9502, 68.5276,
98.6883

Harmonies

Analogous

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



31.0236, 24.6456, 17.5029



27.7787, 24.6456, 11.8873



23.6432, 24.6456, 10.0605

Triad

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



27.7787, 24.6456, 11.8873



16.4263, 24.6456, 26.2166



27.3586, 24.6456, 51.8399

Complementary

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



27.7787, 24.6456, 11.8873



21.9087, 24.9111, 47.3694

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.



23.2080, 24.6456, 56.1367



27.7787, 24.6456, 11.8873



17.1809, 24.6456, 39.0049

Square

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



27.7787, 24.6456, 11.8873



17.3584, 24.6456, 16.7036



19.5516, 24.6456, 50.8794



30.7619, 24.6456, 40.4063

Rectangle

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



27.7787, 24.6456, 11.8873



21.0339, 24.6456, 10.6655



19.5516, 24.6456, 50.8794



25.9905, 24.6456, 54.2908

Sweetspot

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



27.7793, 24.6468, 11.8878



67.7388, 68.6772, 62.5476



27.3539, 18.3406, 28.5642



14.3765, 14.4968, 12.8700



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.7793, 24.6468, 11.8878



45.7046, 38.1562, 13.4374



35.0329, 39.1540, 14.3056



8.7632, 9.0389, 8.9353



14.7827, 10.0641, 1.1634



0.5229, 0.4322, 0.0559

Inverse Universe

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



21.9087, 24.9111, 47.3694



33.9960, 38.6035, 83.9541



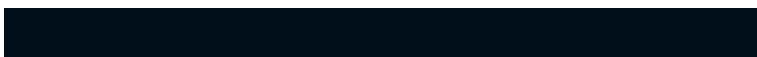
16.2881, 13.6700, 45.4959



8.4547, 9.0556, 10.8086



9.6143, 10.0289, 31.5660



0.3575, 0.4256, 1.0115

Previews

White Background



This preview shows how the XYZ color 27.7787, 24.6456, 11.8873 looks on a white background.

Color Contrast Check

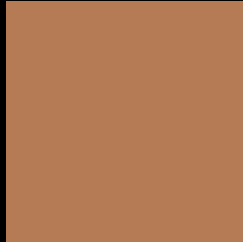
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7787, 24.6456, 11.8873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

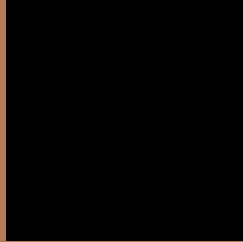
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7787, 24.6456, 11.8873

Background



This preview shows how black text looks on a background with the XYZ color 27.7787, 24.6456, 11.8873.



This preview shows how white text looks on a background with the XYZ color 27.7787, 24.6456,

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

27.7787, 24.6456, 11.8873

Protanopia

22.8624, 24.6424, 13.2243

Deuteranopia

25.0610, 24.5891, 11.6089



Tritanopia

30.0764, 24.6795, 23.2571

Trichromacy



Original Color

27.7787, 24.6456, 11.8873

Protanomaly

24.3750, 24.4108, 12.6596

Deuteranomaly

25.9842, 24.4768, 11.7425

Tritanomaly

29.1695, 24.6701, 18.5536

Monochromacy



Original Color

27.7787, 24.6456, 11.8873

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.2761, 24.1924, 20.2197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7787, 24.6456, 11.8873 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(181, 123, 85)` looks like.

```
.text, #text, p{  
    color:rgb(181, 123, 85)  
}
```

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(181, 123, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 123, 85) }
```

Border

The CSS property to change the border of an element to XYZ 27.7787, 24.6456, 11.8873 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(181, 123, 85) }
```


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

```
.border{ border-color:rgb(181, 123, 85) }
```

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

Here you see how a box with a 4 pixel rgb(181, 123, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 123, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 123, 85);  
box-shadow:4px 4px 4px 4px rgb(181, 123,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7787, 24.6456, 11.8873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 123, 85) }
```

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

```
.background{ background-color: rgb(181,  
123, 85) }
```

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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