

Converting Colors

XYZ(22.5724, 22.6947, 16.9902)

Have a look what the booklet for
XYZ(22.5724, 22.6947, 16.9902)
contains.

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Color

**XYZ(22.5858, 22.7958,
17.1195)**

Conversions

Conversions Part 1

Format	Color
Hex	94806B
RGB	148, 128, 107
RGB Percent	58%, 50%, 42%
CMY	0.4196, 0.4980, 0.5804
CMYK	0.00, 0.14, 0.28, 0.42
HSL	31°, 16%, 50%
HSV	31°, 28%, 58%
XYZ	22.5858, 22.7958, 17.1195
YIQ	131.5860, 18.6610, -2.2910

Conversions

Conversions Part 2

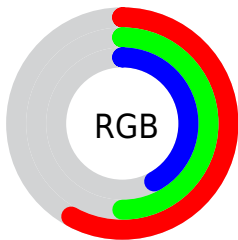
Format	Color
R_{YB}	146, 148, 107
Decimal	9732203
CIE Lab	54.86, 4.26, 14.23
CIE LCh	55, 14.852, 73.336
Yxy	22.7958, 0.3614, 0.3647
Android (android.graphics.Color)	4287922283 (0xFF94806B)
YUV	131.5860, -12.1209, 14.3951
Hunter-Lab	47.7449, 0.8860, 12.1624

Details

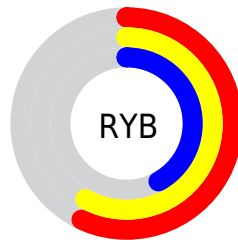
The XYZ color **22.5858, 22.7958, 17.1195** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.9979, 20.4421, 30.9616**, and the grayscale version is **21.8212, 22.9576, 25.0008**.

A 20% lighter version of the original color is **47.3240, 48.2129, 39.1595**, and **8.5414, 8.4596, 5.4577** is the 20% darker color. If you saturate the color by 10%, you get **20.9647, 20.6948, 13.0609**, and if you desaturate by 10%, it is **24.4084, 25.0862, 21.9034**.

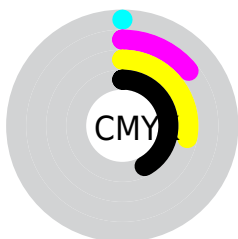
Distribution



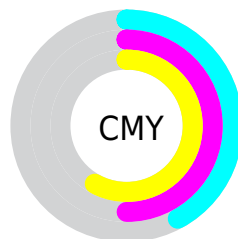
- Red (58%)
- Green (50%)
- Blue (42%)



- Red (57%)
- Yellow (58%)
- Blue (42%)



- Cyan (0%)
- Magenta (14%)
- Yellow (28%)
- Black (42%)



- Cyan (42%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5858, 22.7958, 17.1195 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 22.5858, 22.7958, 17.1195 by changing the saturation by 10% instead.

■ 22.5858, 22.7958,
17.1195

■ 22.5858, 22.7958,
17.1195

258.1656,
266.6744, 247.9273

■ 14.4070, 14.4428,
10.1569

■ 47.1840, 48.0578,
39.3246

■ 8.4879, 8.4293,
5.3961

■ 64.3341, 65.7356,
55.4041

■ 4.4631, 4.3708,
2.4187

■ 85.2053, 87.2905,
75.3597

■ 1.9673, 1.8831,
0.7966

■ 110.1630,
113.1068, 99.6099

■ 0.6155, 0.5382,
0.0000

139.5725,
143.5689, 128.5732

■ 0.0000, 0.0000,
0.0000

173.7992,

179.0613, 162.6682

213.2085,
219.9684, 202.3134

■ 22.5858, 22.7958,
17.1195

■ 22.5858, 22.7958,
17.1195

■ 20.9647, 20.6948,
13.0609

■ 24.4084, 25.0862,
21.9034

■ 19.5352, 18.7746,
9.6899

■ 26.4383, 27.5681,
27.4449

■ 18.2889, 17.0304,
6.9676

■ 28.6834, 30.2474,
33.7758

■ 17.2164, 15.4561,
4.8507

■ 31.1505, 33.1290,
40.9259

■ 16.3069, 14.0448,
3.2903

■ 33.8461, 36.2175,
48.9235

■ 15.5481, 12.7891,
2.2300

■ 36.7764, 39.5171,
57.7953

■ 14.9187, 11.6779,
1.5654

■ 39.9474, 43.0323,
67.5669

■ 14.7846, 11.4396,
1.4288

■ 43.3648, 46.7672,
78.2630

■ 47.0342, 50.7257,
89.9071

Harmonies

Analogous

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



24.0479, 22.7958, 19.1123



22.5858, 22.7958, 17.1195



20.9458, 22.7958, 17.0135

Triad

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



22.5858, 22.7958, 17.1195



18.7344, 22.7958, 26.9678



23.9091, 22.7958, 32.0041

Complementary

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



22.5858, 22.7958, 17.1195



18.9979, 20.4421, 30.9616

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.



22.4040, 22.7958, 34.7118



22.5858, 22.7958, 17.1195



19.4481, 22.7958, 31.5657

Square

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



22.5858, 22.7958, 17.1195



18.7776, 22.7958, 22.3144



20.7729, 22.7958, 34.5419



24.8380, 22.7958, 27.5081

Rectangle

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



22.5858, 22.7958, 17.1195



19.9757, 22.7958, 18.0001



20.7729, 22.7958, 34.5419



23.4505, 22.7958, 33.1776

Sweetspot

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



22.5864, 22.7968, 17.1200



46.4767, 48.4343, 47.9475



21.3341, 18.3569, 22.6690



10.4902, 10.9119, 10.6152



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.5864, 22.7968, 17.1200



38.1063, 37.9752, 25.7911



25.4567, 28.5375, 18.0767



6.0317, 6.2772, 6.1342



12.6557, 9.8259, 1.2295



0.1844, 0.1792, 0.0249

Inverse Universe

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



18.9979, 20.4421, 30.9616



30.7386, 33.1410, 54.2113



16.6666, 15.7796, 30.1845



5.7190, 6.0719, 7.3403



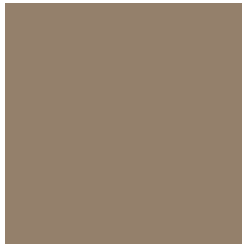
6.5825, 5.8597, 24.7151



0.1099, 0.1303, 0.3123

Previews

White Background



This preview shows how the XYZ color 22.5858, 22.7958, 17.1195 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 22.5858, 22.7958, 17.1195 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 22.5858, 22.7958, 17.1195

Background



This preview shows how black text looks on a background with the XYZ color 22.5858, 22.7958, 17.1195.

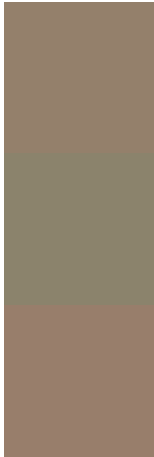


This preview shows how white text looks on a background with the XYZ color 22.5858, 22.7958,

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

22.5858, 22.7958, 17.1195

Protanopia

21.4705, 22.8043, 17.4574

Deuteranopia

23.0636, 22.6586, 17.0679



Tritanopia

24.2732, 22.7158, 25.6595

Trichromacy



Original Color

22.5858, 22.7958, 17.1195

Protanomaly

21.8447, 22.7988, 17.4366

Deuteranomaly

23.0057, 22.8196, 17.1020

Tritanomaly

23.5494, 22.6065, 22.1911

Monochromacy



Original Color

22.5858, 22.7958, 17.1195

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1727, 23.0659, 22.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5858, 22.7958, 17.1195 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(148, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(148, 128, 107)  
}
```

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(148, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 128, 107) }
```

Border

The CSS property to change the border of an element to XYZ 22.5858, 22.7958, 17.1195 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(148, 128, 107) }
```


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

```
.border{ border-color:rgb(148, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(148, 128,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5858, 22.7958, 17.1195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 128, 107) }
```

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

```
.background{ background-color: rgb(148,  
128, 107) }
```

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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