

Converting Colors

XYZ(22.5594, 21.3630, 16.8720)

Have a look what the booklet for
XYZ(22.5594, 21.3630, 16.8720)
contains.

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Color

**XYZ(22.5072, 21.2668,
16.8286)**

Conversions

Conversions Part 1

Format	Color
Hex	99786B
RGB	153, 120, 107
RGB Percent	60%, 47%, 42%
CMY	0.4000, 0.5294, 0.5804
CMYK	0.00, 0.22, 0.30, 0.40
HSL	17°, 18%, 51%
HSV	17°, 30%, 60%
XYZ	22.5072, 21.2668, 16.8286
YIQ	128.3850, 23.8410, 2.9530

Conversions

Conversions Part 2

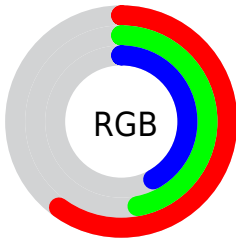
Format	Color
R_{YB}	153, 125, 107
Decimal	10057835
CIE _{Lab}	53.24, 10.89, 12.05
CIE _{LCh}	53, 16.239, 47.899
Yxy	21.2668, 0.3714, 0.3509
Android (android.graphics.Color)	4288247915 (0xFF99786B)
YUV	128.3850, -10.5428, 21.5874
Hunter-Lab	46.1159, 6.4152, 10.6451

Details

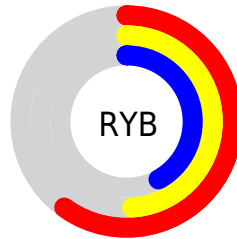
The XYZ color **22.5072, 21.2668, 16.8286** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1910, 24.1812, 33.6876**, and the grayscale version is **20.6818, 21.7588, 23.6954**.

A 20% lighter version of the original color is **46.9365, 45.3836, 38.6338**, and **8.4357, 7.5994, 5.2972** is the 20% darker color. If you saturate the color by 10%, you get **20.5274, 18.4833, 12.5426**, and if you desaturate by 10%, it is **24.7819, 24.4119, 21.9162**.

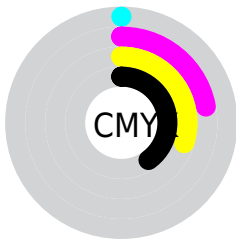
Distribution



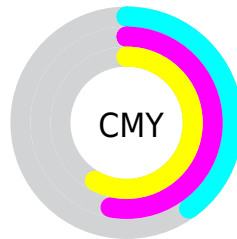
- Red (60%)
- Green (47%)
- Blue (42%)



- Red (60%)
- Yellow (49%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (30%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5072, 21.2668, 16.8286 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 22.5072, 21.2668, 16.8286 by changing the saturation by 10% instead.

■ 22.5072, 21.2668,
16.8286

■ 22.5072, 21.2668,
16.8286

257.7665,
258.6930, 246.1931

■ 14.3487, 13.3192,
9.9517

■ 47.0555, 45.5311,
38.8174

■ 8.4469, 7.6487,
5.2618

■ 64.1761, 62.6166,
54.7665

■ 4.4364, 3.8710,
2.3402

■ 85.0147, 83.5169,
74.5766

■ 1.9519, 1.6017,
0.7536

■ 109.9368,
108.6162, 98.6664

■ 0.6067, 0.3587,
0.0000

139.3077,
138.2992, 127.4545

■ 0.0000, 0.0000,
0.0000

173.4927,

172.9500, 161.3592

212.8572,
212.9531, 200.7993

■ 22.5072, 21.2668,
16.8286

■ 22.5072, 21.2668,
16.8286

■ 20.5274, 18.4833,
12.5426

■ 24.7819, 24.4119,
21.9162

■ 18.8281, 16.0452,
9.0155

■ 27.3617, 27.9281,
27.8422

■ 17.3965, 13.9395,
6.2029

■ 30.2582, 31.8283,
34.6429

■ 16.2177, 12.1512,
4.0549

■ 33.4819, 36.1236,
42.3520

■ 15.2754, 10.6640,
2.5154

■ 37.0429, 40.8251,
51.0014

■ 14.5509, 9.4600,
1.5185

■ 40.9509, 45.9431,
60.6215

■ 14.0099, 8.5183,
0.9058

■ 45.2150, 51.4876,
71.2412

■ 49.8441, 57.4684,
82.8883

■ 54.8468, 63.8947,
95.5895

Harmonies

Analogous

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



23.5186, 21.2668, 20.3714



22.5072, 21.2668, 16.8286



20.9130, 21.2668, 15.0909

Triad

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



22.5072, 21.2668, 16.8286



17.1559, 21.2668, 21.2310



21.2446, 21.2668, 33.3621

Complementary

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



22.5072, 21.2668, 16.8286



21.1910, 24.1812, 33.6876

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.



19.5296, 21.2668, 33.6787



22.5072, 21.2668, 16.8286



17.2335, 21.2668, 26.1833

Square

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



22.5072, 21.2668, 16.8286



17.8629, 21.2668, 17.3809



18.0811, 21.2668, 30.8985



22.7617, 21.2668, 30.0864

Rectangle

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



22.5072, 21.2668, 16.8286



19.7634, 21.2668, 15.0007



18.0811, 21.2668, 30.8985



20.6703, 21.2668, 33.8334

Sweetspot

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



22.5078, 21.2678, 16.8290



49.4384, 50.6074, 50.8780



23.1826, 19.2031, 27.5803



10.7704, 10.9768, 10.8949



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.5078, 21.2678, 16.8290



37.8941, 34.7033, 24.8811



25.5036, 27.2595, 17.8276



6.3439, 6.4929, 6.5247



11.6043, 7.0910, 0.7571



0.2014, 0.1619, 0.0206

Inverse Universe

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



21.1910, 24.1812, 33.6876



35.1456, 40.7574, 59.9866



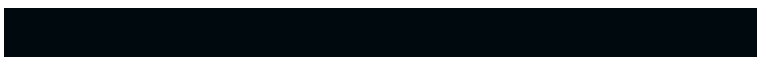
18.2605, 18.3201, 32.7108



6.2370, 6.7313, 7.8995



9.3675, 11.1316, 26.5626



0.1703, 0.2270, 0.4072

Previews

White Background



This preview shows how the XYZ color 22.5072, 21.2668, 16.8286 looks on a white background.

Color Contrast Check

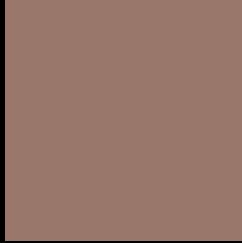
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5072, 21.2668, 16.8286 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 22.5072, 21.2668, 16.8286

Background



This preview shows how black text looks on a background with the XYZ color 22.5072, 21.2668, 16.8286.



This preview shows how white text looks on a background with the XYZ color 22.5072, 21.2668,

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

22.5072, 21.2668, 16.8286

Protanopia

20.2354, 21.3729, 17.8107

Deuteranopia

21.6460, 21.1836, 16.8579



Tritanopia

23.6448, 21.1975, 22.5840

Trichromacy



Original Color

22.5072, 21.2668, 16.8286

Protanomaly

20.9525, 21.1822, 17.4522

Deuteranomaly

21.8856, 21.1258, 16.8341

Tritanomaly

23.1346, 21.1588, 20.3175

Monochromacy



Original Color

22.5072, 21.2668, 16.8286

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.0403, 21.3417, 20.7797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5072, 21.2668, 16.8286 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(153, 120, 107)` looks like.

```
.text, #text, p{  
    color:rgb(153, 120, 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(153, 120, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 120, 107) }
```

Border

The CSS property to change the border of an element to XYZ 22.5072, 21.2668, 16.8286 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(153, 120, 107) }
```


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

```
.border{ border-color:rgb(153, 120, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 120, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 120, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 120, 107);  
box-shadow:4px 4px 4px 4px rgb(153, 120,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5072, 21.2668, 16.8286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 120, 107) }
```

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

```
.background{ background-color: rgb(153,  
120, 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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