

Converting Colors

XYZ(22.5583, 20.7228, 15.7471)

Have a look what the booklet for
XYZ(22.5583, 20.7228, 15.7471)
contains.

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Color

**XYZ(22.5198, 20.7698,
15.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7567
RGB	156, 117, 103
RGB Percent	61%, 46%, 40%
CMY	0.3882, 0.5412, 0.5961
CMYK	0.00, 0.25, 0.34, 0.39
HSL	16°, 21%, 51%
HSV	16°, 34%, 61%
XYZ	22.5198, 20.7698, 15.6540
YIQ	127.0650, 27.7380, 3.9140

Conversions

Conversions Part 2

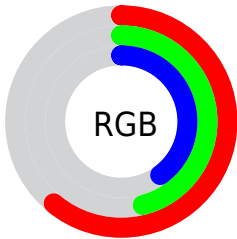
Format	Color
R_{YB}	156, 122, 103
Decimal	10253671
CIE _{Lab}	52.70, 13.29, 13.67
CIE _{LCh}	53, 19.063, 45.810
Yxy	20.7698, 0.3821, 0.3524
Android (android.graphics.Color)	4288443751 (0xFF9C7567)
YUV	127.0650, -11.8640, 25.3760
Hunter-Lab	45.5739, 8.4493, 11.5364

Details

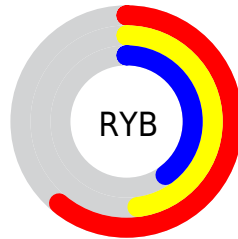
The XYZ color **22.5198, 20.7698, 15.6540** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2669, 24.6290, 35.0856**, and the grayscale version is **20.2284, 21.2819, 23.1759**.

A 20% lighter version of the original color is **47.1721, 44.7061, 36.7147**, and **8.4354, 7.4253, 4.7300** is the 20% darker color. If you saturate the color by 10%, you get **20.5524, 17.9733, 11.4889**, and if you desaturate by 10%, it is **24.7984, 23.9548, 20.6441**.

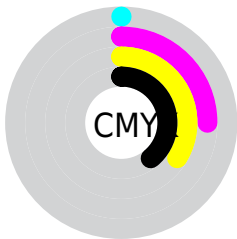
Distribution



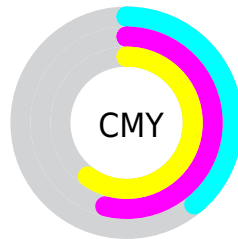
- Red (61%)
- Green (46%)
- Blue (40%)



- Red (61%)
- Yellow (48%)
- Blue (40%)



- Cyan (0%)
- Magenta (25%)
- Yellow (34%)
- Black (39%)





- Cyan (39%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5198, 20.7698, 15.6540 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 22.5198, 20.7698, 15.6540 by changing the saturation by 10% instead.

 22.5198, 20.7698,
15.6540

 22.5198, 20.7698,
15.6540


257.8306,
256.0526, 239.0669


 14.3581, 12.9558,
9.1280


 47.0761, 44.7041,
36.7549


 8.4535, 7.3981,
4.7268


 64.2014, 61.5932,
52.1668

 4.4407, 3.7123,
2.0319

 85.0453, 82.2762,
71.3777

 1.9544, 1.5140,
0.5748

 109.9731,
107.1374, 94.8062

 0.6081, 0.2985,
0.0000

139.3501,
136.5613, 122.8709

 0.0000, 0.0000,
0.0000

173.5418,

170.9321, 155.9902

212.9135,
210.6344, 194.5827

■ 22.5198, 20.7698,
15.6540

■ 22.5198, 20.7698,
15.6540

■ 20.5524, 17.9733,
11.4889

■ 24.7984, 23.9548,
20.6441

■ 18.8805, 15.5471,
8.1027

■ 27.3998, 27.5395,
26.4993

■ 17.4895, 13.4763,
5.4466

■ 30.3367, 31.5383,
33.2588

■ 16.3627, 11.7433,
3.4658

■ 33.6209, 35.9642,
40.9587

■ 15.4815, 10.3294,
2.0976

■ 37.2635, 40.8293,
49.6335

■ 14.8243, 9.2135,
1.2670

■ 41.2750, 46.1455,
59.3155

■ 14.5108, 8.6689,
0.9085

■ 45.6656, 51.9241,
70.0359

■ 50.4451, 58.1760,
81.8244

■ 55.6229, 64.9117,
94.7095

Harmonies

Analogous

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



23.6416, 20.7698, 19.7684



22.5198, 20.7698, 15.6540



20.6906, 20.7698, 13.5944

Triad

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



22.5198, 20.7698, 15.6540



16.2705, 20.7698, 20.0421



20.7982, 20.7698, 34.8323

Complementary

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



22.5198, 20.7698, 15.6540



21.2669, 24.6290, 35.0856

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.



18.8211, 20.7698, 34.9389



22.5198, 20.7698, 15.6540



16.2951, 20.7698, 25.7221

Square

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



22.5198, 20.7698, 15.6540



17.1315, 20.7698, 15.8254



17.2009, 20.7698, 31.3827



22.6031, 20.7698, 31.1120

Rectangle

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



22.5198, 20.7698, 15.6540



19.3576, 20.7698, 13.3980



17.2009, 20.7698, 31.3827



20.1295, 20.7698, 35.3105

Sweetspot

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



22.5203, 20.7708, 15.6544



51.7071, 52.6722, 52.5694



23.4997, 18.7442, 28.2670



11.2286, 11.3865, 11.2254



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.5203, 20.7708, 15.6544



38.0553, 33.6851, 22.3802



25.9436, 27.6173, 16.7955



6.7685, 6.9171, 6.9640



11.9776, 7.1908, 0.7567



0.2458, 0.1919, 0.0241

Inverse Universe

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



21.2669, 24.6290, 35.0856



35.4025, 41.7939, 63.3279



17.8687, 17.8326, 33.9528



6.6735, 7.2127, 8.4471



10.0015, 12.0945, 27.7146



0.2110, 0.2806, 0.5063

Previews

White Background



This preview shows how the XYZ color 22.5198, 20.7698, 15.6540 looks on a white background.

Color Contrast Check

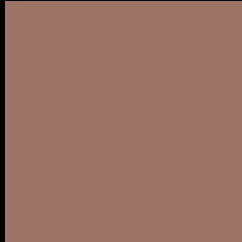
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5198, 20.7698, 15.6540 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

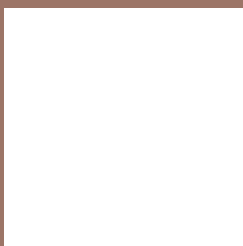
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5198, 20.7698, 15.6540

Background



This preview shows how black text looks on a background with the XYZ color 22.5198, 20.7698, 15.6540.



This preview shows how white text looks on a background with the XYZ color 22.5198, 20.7698,

15.6540.

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

22.5198, 20.7698, 15.6540

Protanopia

19.7876, 20.9698, 16.9146

Deuteranopia

21.0897, 20.7450, 15.4630



Tritanopia

23.6930, 20.7338, 21.4922

Trichromacy



Original Color

22.5198, 20.7698, 15.6540

Protanomaly

20.6690, 20.8692, 16.5745

Deuteranomaly

21.6924, 20.8763, 15.4566

Tritanomaly

23.1877, 20.6905, 19.2945

Monochromacy



Original Color

22.5198, 20.7698, 15.6540

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.8342, 20.8772, 20.0712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5198, 20.7698, 15.6540 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(156, 117, 103)` looks like.

```
.text, #text, p{  
    color:rgb(156, 117, 103)  
}
```

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(156, 117, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 117, 103) }
```

Border

The CSS property to change the border of an element to XYZ 22.5198, 20.7698, 15.6540 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(156, 117, 103) }
```


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

```
.border{ border-color:rgb(156, 117, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 117, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 117, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 117, 103);  
box-shadow:4px 4px 4px 4px rgb(156, 117,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5198, 20.7698, 15.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 117, 103) }
```

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

```
.background{ background-color: rgb(156,  
117, 103) }
```

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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