

Converting Colors

XYZ(20.4238, 18.6546, 16.7116)

Have a look what the booklet for
XYZ(20.4238, 18.6546, 16.7116)
contains.

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Color

**XYZ(20.4238, 18.6546,
16.7116)**

Conversions

Conversions Part 1

Format	Color
Hex	936F6C
RGB	147, 111, 108
RGB Percent	58%, 44%, 42%
CMY	0.4235, 0.5647, 0.5765
CMYK	0.00, 0.24, 0.27, 0.42
HSL	5°, 15%, 50%
HSV	5°, 27%, 58%
XYZ	20.4238, 18.6546, 16.7116
YIQ	121.4220, 22.4190, 6.6990

Conversions

Conversions Part 2

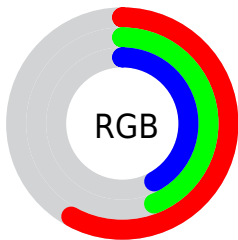
Format	Color
R_{YB}	147, 111, 108
Decimal	9662316
CIE _{Lab}	50.28, 13.79, 7.20
CIE _{LCh}	50, 15.553, 27.556
Yxy	18.6546, 0.3661, 0.3344
Android (android.graphics.Color)	4287852396 (0xFF936F6C)
YUV	121.4220, -6.6170, 22.4319
Hunter-Lab	43.1910, 8.8234, 7.2930

Details

The XYZ color **20.4238, 18.6546, 16.7116** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.4238, 25.2405, 31.3466**, and the grayscale version is **18.3267, 19.2811, 20.9971**.

A 20% lighter version of the original color is **43.7123, 41.2541, 38.4598**, and **7.3391, 6.3248, 5.2489** is the 20% darker color. If you saturate the color by 10%, you get **18.3368, 15.6288, 12.4761**, and if you desaturate by 10%, it is **22.8686, 22.1847, 21.7176**.

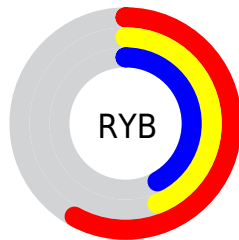
Distribution



Red (58%)

Green (44%)

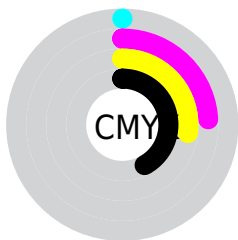
Blue (42%)



Red (58%)

Yellow (44%)

Blue (42%)

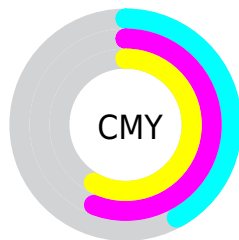


Cyan (0%)

Magenta (24%)

Yellow (27%)

Black (42%)



Cyan (42%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4238, 18.6546, 16.7116 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 20.4238, 18.6546, 16.7116 by changing the saturation by 10% instead.

■ 20.4238, 18.6546,
16.7116

■ 20.4238, 18.6546,
16.7116

246.9903,
244.5353, 245.4923

■ 12.8135, 11.4210,
9.8693

■ 43.6251, 41.1496,
38.6131

■ 7.3764, 6.3507,
5.2079

■ 59.9469, 57.1798,
54.5093

■ 3.7470, 3.0595,
2.3089

■ 79.9032, 76.9110,
74.2607

■ 1.5600, 1.1629,
0.7362

■ 103.8594,
100.7275, 98.2856

■ 0.3661, 0.0311,
0.0000

132.1809,
129.0138, 127.0027

■ 0.0000, 0.0000,
0.0000

165.2329,

162.1543, 160.8305

203.3810,
200.5333, 200.1875

■ 20.4238, 18.6546,
16.7116

■ 20.4238, 18.6546,
16.7116

■ 18.3368, 15.6288,
12.4761

■ 22.8686, 22.1847,
21.7176

■ 16.5895, 13.0819,
8.9719

■ 25.6854, 26.2379,
27.5286

■ 15.1642, 10.9899,
6.1577

■ 28.8893, 30.8352,
34.1783

■ 14.0411, 9.3262,
3.9881

■ 32.4943, 35.9958,
41.6980

■ 13.1985, 8.0611,
2.4118

■ 36.5136, 41.7377,
50.1177

■ 12.6112, 7.1610,
1.3701

■ 40.9597, 48.0784,
59.4658

■ 12.2463, 6.5856,
0.7722

■ 45.8448, 55.0346,
69.7694

■ 12.1560, 6.4498,
0.6042

■ 51.1803, 62.6221,
81.0545

■ 56.9776, 70.8563,
93.3463

Harmonies

Analogous

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



20.7840, 18.6546, 20.6674



20.4238, 18.6546, 16.7116



19.3300, 18.6546, 14.0860

Triad

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



20.4238, 18.6546, 16.7116



15.3974, 18.6546, 16.1795



17.6074, 18.6546, 29.7751

Complementary

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



20.4238, 18.6546, 16.7116



21.4238, 25.2405, 31.3466

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.



16.2221, 18.6546, 28.1451



20.4238, 18.6546, 16.7116



14.9920, 18.6546, 19.9601

Square

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



20.4238, 18.6546, 16.7116



16.4245, 18.6546, 13.8107



15.2853, 18.6546, 24.3949



19.1043, 18.6546, 28.5870

Rectangle

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



20.4238, 18.6546, 16.7116



18.3620, 18.6546, 13.2419



15.2853, 18.6546, 24.3949



17.1139, 18.6546, 29.5341

Sweetspot

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



20.4243, 18.6555, 16.7120



45.1278, 45.7363, 47.4979



22.4600, 18.9542, 29.0210



10.1341, 10.1997, 10.4965



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.



20.4243, 18.6555, 16.7120



34.2122, 29.9835, 25.1209



22.7355, 23.2778, 17.4824



5.8346, 5.8829, 6.0685



10.5468, 5.6080, 0.5266



0.1362, 0.0829, 0.0088

Inverse Universe

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



21.4238, 25.2405, 31.3466



36.3175, 43.8672, 55.9877



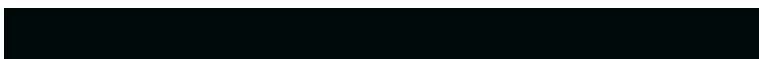
18.7719, 19.9368, 30.4626



5.9263, 6.4866, 7.4094



12.1677, 17.0302, 26.5769



0.1581, 0.2267, 0.3283

Previews

White Background



This preview shows how the XYZ color 20.4238, 18.6546, 16.7116 looks on a white background.

Color Contrast Check

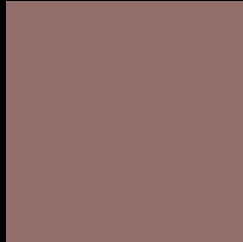
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4238, 18.6546, 16.7116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

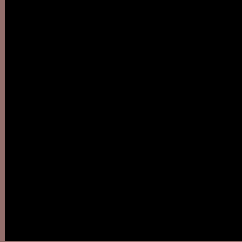
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4238, 18.6546, 16.7116

Background



This preview shows how black text looks on a background with the XYZ color 20.4238, 18.6546, 16.7116.



This preview shows how white text looks on a background with the XYZ color 20.4238, 18.6546,

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

20.4238, 18.6546, 16.7116

Protanopia

17.8336, 18.6486, 17.9888

Deuteranopia

19.0526, 18.7866, 16.5319



Tritanopia

20.9514, 18.5412, 19.6141

Trichromacy



Original Color

20.4238, 18.6546, 16.7116

Protanomaly

18.6304, 18.5440, 17.6364

Deuteranomaly

19.4864, 18.6716, 16.4869

Tritanomaly

20.8259, 18.6627, 18.4242

Monochromacy



Original Color

20.4238, 18.6546, 16.7116

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7196, 18.7294, 19.1515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4238, 18.6546, 16.7116 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(147, 111, 108)` looks like.

```
.text, #text, p{  
    color:rgb(147, 111, 108)  
}
```

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(147, 111, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 111, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.4238, 18.6546, 16.7116 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(147, 111, 108) }
```


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

```
.border{ border-color:rgb(147, 111, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 111, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 111, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 111, 108);  
box-shadow:4px 4px 4px 4px rgb(147, 111,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4238, 18.6546, 16.7116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 111, 108) }
```

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

```
.background{ background-color: rgb(147,  
111, 108) }
```

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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