

Converting Colors

XYZ(20.6857, 18.7613, 16.3281)

Have a look what the booklet for
XYZ(20.6857, 18.7613, 16.3281)
contains.

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Color

**XYZ(20.7327, 18.8200,
16.4498)**

Conversions

Conversions Part 1

Format	Color
Hex	956F6B
RGB	149, 111, 107
RGB Percent	58%, 44%, 42%
CMY	0.4157, 0.5647, 0.5804
CMYK	0.00, 0.26, 0.28, 0.42
HSL	6°, 17%, 50%
HSV	6°, 28%, 58%
XYZ	20.7327, 18.8200, 16.4498
YIQ	121.9060, 23.9320, 6.8120

Conversions

Conversions Part 2

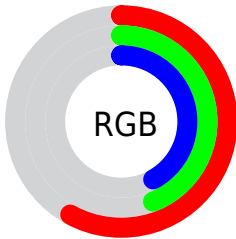
Format	Color
R_{YB}	149, 111, 107
Decimal	9793387
CIE _{Lab}	50.48, 14.45, 8.09
CIE _{LCh}	50, 16.562, 29.256
Yxy	18.8200, 0.3702, 0.3361
Android (android.graphics.Color)	4287983467 (0xFF956F6B)
YUV	121.9060, -7.3487, 23.7614
Hunter-Lab	43.3820, 9.3884, 7.8856

Details

The XYZ color **20.7327, 18.8200, 16.4498** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.6133, 25.5456, 32.2255**, and the grayscale version is **18.4862, 19.4489, 21.1799**.

A 20% lighter version of the original color is **44.1706, 41.5004, 38.0301**, and **7.5229, 6.4226, 5.1182** is the 20% darker color. If you saturate the color by 10%, you get **18.6539, 15.8106, 12.2169**, and if you desaturate by 10%, it is **23.1696, 22.3291, 21.4689**.

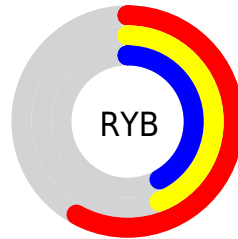
Distribution



Red (58%)

Green (44%)

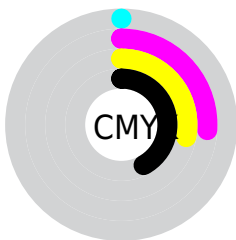
Blue (42%)



Red (58%)

Yellow (44%)

Blue (42%)

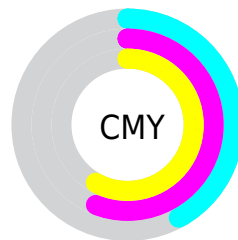


Cyan (0%)

Magenta (26%)

Yellow (28%)

Black (42%)



Cyan (42%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7327, 18.8200, 16.4498 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 20.7327, 18.8200, 16.4498 by changing the saturation by 10% instead.

■ 20.7327, 18.8200,
16.4498

■ 20.7327, 18.8200,
16.4498

248.6132,
245.4533, 243.9171

■ 13.0401, 11.5403,
9.6852

■ 44.1369, 41.4297,
38.1549

■ 7.5334, 6.4315,
5.0879

■ 60.5792, 57.5285,
53.9326

■ 3.8471, 3.1092,
2.2393

■ 80.6688, 77.3358,
73.5516

■ 1.6160, 1.1890,
0.6969

■ 104.7710,
101.2360, 97.4306

■ 0.4028, 0.0527,
0.0000

133.2511,
129.6134, 125.9881

■ 0.0000, 0.0000,
0.0000

166.4747,

162.8525, 159.6427

204.8069,
201.3376, 198.8128

■ 20.7327, 18.8200,
16.4498

■ 20.7327, 18.8200,
16.4498

■ 18.6539, 15.8106,
12.2169

■ 23.1696, 22.3291,
21.4689

■ 16.9149, 13.2758,
8.7294

■ 25.9788, 26.3565,
27.3102

■ 15.4979, 11.1920,
5.9443

■ 29.1756, 30.9230,
34.0085

■ 14.3830, 9.5327,
3.8138

■ 32.7739, 36.0474,
41.5965

■ 13.5480, 8.2687,
2.2844

■ 36.7871, 41.7478,
50.1052

■ 12.9678, 7.3668,
1.2938

■ 41.2279, 48.0412,
59.5641

■ 12.6042, 6.7855,
0.7230

■ 46.1083, 54.9442,
70.0011

■ 12.5542, 6.7091,
0.6333

■ 51.4399, 62.4725,
81.4433

■ 57.2341, 70.6413,
93.9167

Harmonies

Analogous

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



21.1720, 18.8200, 20.6073



20.7327, 18.8200, 16.4498



19.5208, 18.8200, 13.7660

Triad

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



20.7327, 18.8200, 16.4498



15.3522, 18.8200, 16.2779



17.8476, 18.8200, 30.7194

Complementary

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



20.7327, 18.8200, 16.4498



21.6133, 25.5456, 32.2255

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.



16.3486, 18.8200, 29.1140



20.7327, 18.8200, 16.4498



14.9622, 18.8200, 20.3767

Square

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



20.7327, 18.8200, 16.4498



16.4144, 18.8200, 13.6777



15.3159, 18.8200, 25.1469



19.4469, 18.8200, 29.2599

Rectangle

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



20.7327, 18.8200, 16.4498



18.4723, 18.8200, 12.9447



15.3159, 18.8200, 25.1469



17.3158, 18.8200, 30.5169

Sweetspot

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



20.7332, 18.8209, 16.4502



46.5381, 47.2204, 48.9371



22.8017, 18.9649, 29.4495



10.1487, 10.2289, 10.5013



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.



20.7332, 18.8209, 16.4502



34.6382, 30.1013, 24.3748



23.2320, 23.8185, 17.2831



5.8426, 5.8991, 6.0712



10.5772, 5.6688, 0.5367



0.1382, 0.0869, 0.0095

Inverse Universe

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



21.6133, 25.5456, 32.2255



36.4841, 44.2296, 57.5355



18.7589, 19.8369, 31.2740



5.9174, 6.4687, 7.4064



11.8457, 16.3862, 26.4695



0.1560, 0.2227, 0.3277

Previews

White Background



This preview shows how the XYZ color 20.7327, 18.8200, 16.4498 looks on a white background.

Color Contrast Check

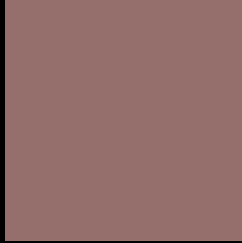
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7327, 18.8200, 16.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

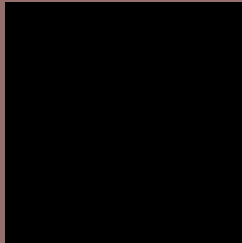
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7327, 18.8200, 16.4498

Background



This preview shows how black text looks on a background with the XYZ color 20.7327, 18.8200, 16.4498.



This preview shows how white text looks on a background with the XYZ color 20.7327, 18.8200,

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

20.7327, 18.8200, 16.4498

Protanopia

18.0985, 18.9628, 18.0355

Deuteranopia

19.1634, 18.8498, 16.2640



Tritanopia

21.3163, 18.7293, 19.6312

Trichromacy



Original Color

20.7327, 18.8200, 16.4498

Protanomaly

19.0073, 18.9167, 17.4013

Deuteranomaly

19.6033, 18.7380, 16.2192

Tritanomaly

21.1909, 18.8508, 18.4413

Monochromacy



Original Color

20.7327, 18.8200, 16.4498

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2050, 19.1468, 19.5131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7327, 18.8200, 16.4498 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(149, 111, 107)` looks like.

```
.text, #text, p{  
    color:rgb(149, 111, 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(149, 111, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 111, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.7327, 18.8200, 16.4498 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(149, 111, 107) }
```


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

```
.border{ border-color:rgb(149, 111, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 111, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(149, 111,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7327, 18.8200, 16.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 111, 107) }
```

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

```
.background{ background-color: rgb(149,  
111, 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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