

Converting Colors

XYZ(21.2821, 20.9666, 16.5900)

Have a look what the booklet for
XYZ(21.2821, 20.9666, 16.5900)
contains.

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Color

**XYZ(21.2381, 20.9794,
16.5657)**

Conversions

Conversions Part 1

Format	Color
Hex	917A6A
RGB	145, 122, 106
RGB Percent	57%, 48%, 42%
CMY	0.4314, 0.5216, 0.5843
CMYK	0.00, 0.16, 0.27, 0.43
HSL	25°, 16%, 49%
HSV	25°, 27%, 57%
XYZ	21.2381, 20.9794, 16.5657
YIQ	127.0530, 18.8440, -0.1000

Conversions

Conversions Part 2

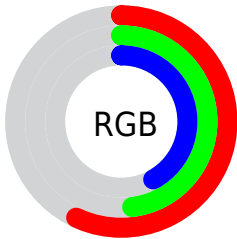
Format	Color
R_{YB}	145, 133, 106
Decimal	9534058
CIE _{Lab}	52.93, 6.31, 12.07
CIE _{LCh}	53, 13.620, 62.399
Yxy	20.9794, 0.3613, 0.3569
Android (android.graphics.Color)	4287724138 (0xFF917A6A)
YUV	127.0530, -10.3791, 15.7395
Hunter-Lab	45.8033, 2.6113, 10.6188

Details

The XYZ color **21.2381, 20.9794, 16.5657** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.9048, 20.8084, 29.8082**, and the grayscale version is **20.2214, 21.2745, 23.1680**.

A 20% lighter version of the original color is **44.7750, 44.8485, 38.1950**, and **7.7881, 7.4605, 5.1672** is the 20% darker color. If you saturate the color by 10%, you get **19.5430, 18.6955, 12.5898**, and if you desaturate by 10%, it is **23.1543, 23.5010, 21.2449**.

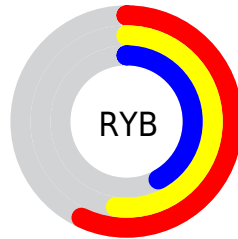
Distribution



Red (57%)

Green (48%)

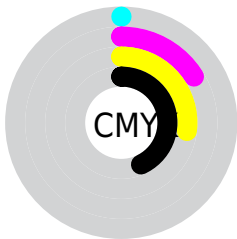
Blue (42%)



Red (57%)

Yellow (52%)

Blue (42%)

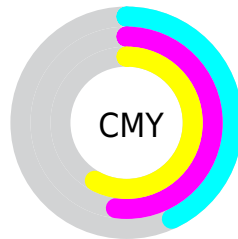


Cyan (0%)

Magenta (16%)

Yellow (27%)

Black (43%)



Cyan (43%)

Magenta (52%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2381, 20.9794, 16.5657 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 21.2381, 20.9794, 16.5657 by changing the saturation by 10% instead.

■ 21.2381, 20.9794,
16.5657

■ 21.2381, 20.9794,
16.5657

251.2490,
257.1690, 244.6157

■ 13.4116, 13.1089,
9.7667

■ 44.9718, 45.0532,
38.3579

■ 7.7915, 7.5036,
5.1409

■ 61.6096, 62.0254,
54.1881

■ 4.0125, 3.7790,
2.2700

■ 81.9154, 82.8003,
73.8659

■ 1.7092, 1.5507,
0.7143

■ 106.2543,
107.7623, 97.8096

■ 0.4620, 0.3240,
0.0000

134.9917,
137.2957, 126.4379

■ 0.0000, 0.0000,
0.0000

168.4931,

171.7851, 160.1694

207.1237,
211.6147, 199.4224

■ 21.2381, 20.9794,
16.5657

■ 21.2381, 20.9794,
16.5657

■ 19.5430, 18.6955,
12.5898

■ 23.1543, 23.5010,
21.2449

■ 18.0584, 16.6391,
9.2812

■ 25.2980, 26.2644,
26.6582

■ 16.7756, 14.8034,
6.6030

■ 27.6778, 29.2772,
32.8362

■ 15.6842, 13.1803,
4.5138

■ 30.3008, 32.5457,
39.8074

■ 14.7729, 11.7609,
2.9674

■ 33.1743, 36.0761,
47.5986

■ 14.0290, 10.5355,
1.9103

■ 36.3049, 39.8742,
56.2357

■ 13.4327, 9.4915,
1.2533

■ 39.6992, 43.9458,
65.7432

■ 13.2668, 9.1992,
1.0764

■ 43.3634, 48.2964,
76.1447

■ 47.3035, 52.9313,
87.4628

Harmonies

Analogous

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



22.3466, 20.9794, 18.8878



21.2381, 20.9794, 16.5657



19.8257, 20.9794, 15.8600

Triad

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



21.2381, 20.9794, 16.5657



17.3238, 20.9794, 23.1733



21.4461, 20.9794, 30.1371

Complementary

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



21.2381, 20.9794, 16.5657



18.9048, 20.8084, 29.8082

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.



20.0553, 20.9794, 31.6232



21.2381, 20.9794, 16.5657



17.7132, 20.9794, 27.3150

Square

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



21.2381, 20.9794, 16.5657



17.6074, 20.9794, 19.3938



18.6965, 20.9794, 30.5342



22.4707, 20.9794, 26.6786

Rectangle

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



21.2381, 20.9794, 16.5657



18.9134, 20.9794, 16.3237



18.6965, 20.9794, 30.5342



21.0037, 20.9794, 30.9013

Sweetspot

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



21.2387, 20.9804, 16.5661



44.7939, 46.3822, 46.4341



20.8204, 17.9237, 23.2710



9.8430, 10.1620, 10.0193



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.2387, 20.9804, 16.5661



36.2356, 35.1604, 25.4081



23.8184, 26.1398, 17.4260



5.5793, 5.7648, 5.7080



11.4038, 7.9393, 0.9314



0.1298, 0.1175, 0.0158

Inverse Universe

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



18.9048, 20.8084, 29.8082



31.3640, 34.7980, 53.0372



16.6201, 16.2390, 29.0467



5.3772, 5.7502, 6.8552



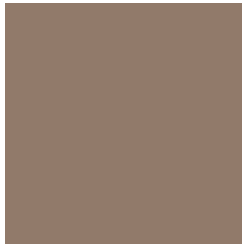
7.2300, 7.4460, 24.0332



0.0909, 0.1147, 0.2370

Previews

White Background



This preview shows how the XYZ color 21.2381, 20.9794, 16.5657 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 21.2381, 20.9794, 16.5657 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 21.2381, 20.9794, 16.5657

Background



This preview shows how black text looks on a background with the XYZ color 21.2381, 20.9794, 16.5657.



This preview shows how white text looks on a background with the XYZ color 21.2381, 20.9794,

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

21.2381, 20.9794, 16.5657

Protanopia

19.8405, 20.9910, 17.1933

Deuteranopia

21.4151, 21.0707, 16.5740



Tritanopia

22.7059, 21.0481, 23.2880

Trichromacy



Original Color

21.2381, 20.9794, 16.5657

Protanomaly

20.3040, 21.0471, 16.9023

Deuteranomaly

21.4151, 21.0707, 16.5740

Tritanomaly

22.1393, 20.9921, 20.6543

Monochromacy



Original Color

21.2381, 20.9794, 16.5657

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4949, 21.0675, 20.4390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2381, 20.9794, 16.5657 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(145, 122, 106)` looks like.

```
.text, #text, p{  
    color:rgb(145, 122, 106)  
}
```

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(145, 122, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 122, 106) }
```

Border

The CSS property to change the border of an element to XYZ 21.2381, 20.9794, 16.5657 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(145, 122, 106) }
```


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

```
.border{ border-color:rgb(145, 122, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 122, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 122, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 122, 106);  
box-shadow:4px 4px 4px 4px rgb(145, 122,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2381, 20.9794, 16.5657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 122, 106) }
```

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

```
.background{ background-color: rgb(145,  
122, 106) }
```

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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