

Converting Colors

XYZ(21.8429, 18.6429, 9.4572)

Have a look what the booklet for
XYZ(21.8429, 18.6429, 9.4572)
contains.

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Color

**XYZ(21.9082, 18.6383,
9.4640)**

Conversions

Conversions Part 1

Format	Color
Hex	A5694D
RGB	165, 105, 77
RGB Percent	65%, 41%, 30%
CMY	0.3529, 0.5882, 0.6980
CMYK	0.00, 0.36, 0.53, 0.35
HSL	19°, 36%, 47%
HSV	19°, 53%, 65%
XYZ	21.9082, 18.6383, 9.4640
YIQ	119.7480, 44.7480, 4.0120

Conversions

Conversions Part 2

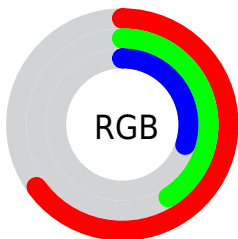
Format	Color
R_{YB}	165, 118, 77
Decimal	10840397
CIE _{Lab}	50.26, 20.96, 25.65
CIE _{LCh}	50, 33.124, 50.748
Yxy	18.6383, 0.4381, 0.3727
Android (android.graphics.Color)	4289030477 (0xFFA5694D)
YUV	119.7480, -21.0748, 39.6860
Hunter-Lab	43.1721, 15.0308, 17.2232

Details

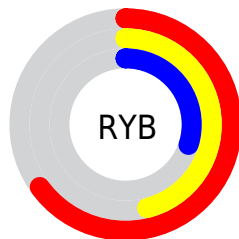
The XYZ color **21.9082, 18.6383, 9.4640** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.7973, 22.1847, 38.8886**, and the grayscale version is **17.8277, 18.7561, 20.4254**.

A 20% lighter version of the original color is **46.2543, 41.3083, 25.2741**, and **8.1542, 6.3455, 2.1615** is the 20% darker color. If you saturate the color by 10%, you get **20.3269, 16.2928, 6.4182**, and if you desaturate by 10%, it is **23.7898, 21.3479, 13.3393**.

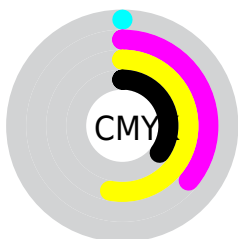
Distribution



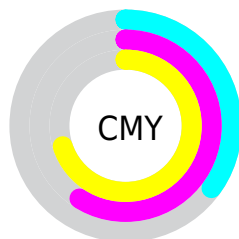
- Red (65%)
- Green (41%)
- Blue (30%)



- Red (65%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (36%)
- Yellow (53%)
- Black (35%)





- Cyan (35%)
- Magenta (59%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9082, 18.6383, 9.4640 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 21.9082, 18.6383, 9.4640 by changing the saturation by 10% instead.


 21.9082, 18.6383,
9.4640


 21.9082, 18.6383,
9.4640


254.7079,
244.4446, 197.1463

 13.9057, 11.4092,
4.9441


 46.0742, 41.1220,
25.3742


 8.1364, 6.3428,
2.1563


 62.9684, 57.1454,
37.6016

 4.2349, 3.0546,
0.6490

 83.5572, 76.8691,
53.2353

 1.8358, 1.1603,
0.0000

 108.2060,
100.6774, 72.6937

 0.5391, 0.0289,
0.0000

 137.2801,
128.9547, 96.3955

 0.0000, 0.0000,
0.0000

171.1449,

162.0854, 124.7592

210.1657,
200.4539, 158.2033

■ 21.9082, 18.6383,
9.4640

■ 21.9082, 18.6383,
9.4640

■ 20.3269, 16.2928,
6.4182

■ 23.7898, 21.3479,
13.3393

■ 19.0273, 14.2924,
4.1388

■ 25.9861, 24.4341,
18.0987

■ 17.9903, 12.6200,
2.5553

■ 28.5121, 27.9122,
23.7934

■ 17.1937, 11.2560,
1.5831

■ 31.3816, 31.7957,
30.4701

■ 16.7678, 10.5009,
1.1431

■ 34.6073, 36.0974,
38.1727

■ 38.2015, 40.8297,
46.9422

■ 42.1755, 46.0042,
56.8174

■ 46.5405, 51.6324,
67.8352

■ 51.3071, 57.7249,
80.0307

Harmonies

Analogous

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



24.1267, 18.6383, 14.6608



21.9082, 18.6383, 9.4640



18.7247, 18.6383, 7.3817

Triad

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



21.9082, 18.6383, 9.4640



12.3015, 18.6383, 17.5862



19.9896, 18.6383, 41.6814

Complementary

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



21.9082, 18.6383, 9.4640



18.7973, 22.1847, 38.8886

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.



16.7426, 18.6383, 43.1777



21.9082, 18.6383, 9.4640



12.5538, 18.6383, 27.2118

Square

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



21.9082, 18.6383, 9.4640



13.3580, 18.6383, 11.0487



14.0944, 18.6383, 37.2620



22.9296, 18.6383, 33.6372

Rectangle

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



21.9082, 18.6383, 9.4640



16.5903, 18.6383, 7.4225



14.0944, 18.6383, 37.2620



18.8897, 18.6383, 43.0454

Sweetspot

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



21.9087, 18.6392, 9.4644



54.6155, 54.8080, 50.8420



22.6959, 15.1172, 25.4389



11.7198, 11.6846, 10.6012



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.9087, 18.6392, 9.4644



35.9390, 28.4746, 10.6439



27.5830, 29.9879, 11.3558



7.2492, 7.4368, 7.4335



12.7258, 8.0255, 0.8784



0.3083, 0.2505, 0.0321

Inverse Universe

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



18.7973, 22.1847, 38.8886



29.7155, 35.4132, 69.0216



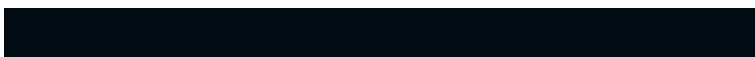
13.7783, 12.1467, 37.2156



7.0851, 7.6293, 9.0022



9.6088, 10.9970, 28.5460



0.2415, 0.3103, 0.6130

Previews

White Background



This preview shows how the XYZ color 21.9082, 18.6383, 9.4640 looks on a white background.

Color Contrast Check

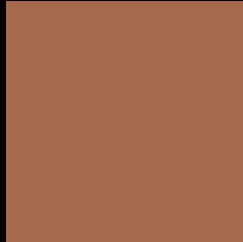
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9082, 18.6383, 9.4640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

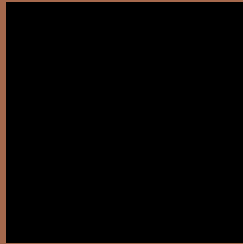
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9082, 18.6383, 9.4640

Background



This preview shows how black text looks on a background with the XYZ color 21.9082, 18.6383, 9.4640.



This preview shows how white text looks on a background with the XYZ color 21.9082, 18.6383,

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

21.9082, 18.6383, 9.4640

Protanopia

17.4837, 18.8033, 10.8915

Deuteranopia

19.0778, 18.7892, 9.2778



Tritanopia

23.2968, 18.6056, 16.5507

Trichromacy



Original Color

21.9082, 18.6383, 9.4640

Protanomaly

18.9436, 18.6952, 10.3947

Deuteranomaly

19.9378, 18.5661, 9.3703

Tritanomaly

22.6349, 18.4728, 13.6819

Monochromacy



Original Color

21.9082, 18.6383, 9.4640

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.7828, 18.4952, 15.6767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9082, 18.6383, 9.4640 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(165, 105, 77)` looks like.

```
.text, #text, p{  
    color:rgb(165, 105, 77)  
}
```

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(165, 105, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 105, 77) }
```

Border

The CSS property to change the border of an element to XYZ 21.9082, 18.6383, 9.4640 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(165, 105, 77) }
```


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

```
.border{ border-color:rgb(165, 105, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 105, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 105, 77); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 105, 77); box-shadow:4px 4px 4px 4px rgb(165, 105, 77) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9082, 18.6383, 9.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 105, 77) }
```

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

```
.background{ background-color: rgb(165,  
105, 77) }
```

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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