

Converting Colors

XYZ(21.8514, 18.8200, 2.4809)

Have a look what the booklet for
XYZ(21.8514, 18.8200, 2.4809)
contains.

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Color

**XYZ(21.8462, 18.7611,
2.4698)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6900
RGB	171, 105, 0
RGB Percent	67%, 41%, 0%
CMY	0.3294, 0.5882, 1.0000
CMYK	0.00, 0.39, 1.00, 0.33
HSL	37°, 100%, 34%
HSV	37°, 100%, 67%
XYZ	21.8462, 18.7611, 2.4698
YIQ	112.7640, 73.0410, -18.6630

Conversions

Conversions Part 2

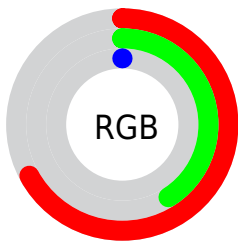
Format	Color
R_{YB}	107, 171, 0
Decimal	11233536
CIE Lab	50.41, 20.04, 57.88
CIE LCh	50, 61.251, 70.900
Yxy	18.7611, 0.5071, 0.4355
Android (android.graphics.Color)	4289423616 (0xFFAB6900)
YUV	112.7640, -55.5927, 51.0730
Hunter-Lab	43.3141, 14.2299, 26.9391

Details

The XYZ color **21.8462, 18.7611, 2.4698** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.2989, 6.8366, 39.3574**, and the grayscale version is **15.7711, 16.5924, 18.0691**.

A 20% lighter version of the original color is **46.0644, 41.2916, 10.2448**, and **8.2732, 6.4370, 0.8064** is the 20% darker color. If you saturate the color by 10%, you get **21.8464, 18.7617, 2.4699**, and if you desaturate by 10%, it is **22.6471, 20.2000, 3.2400**.

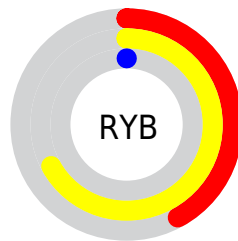
Distribution



Red (67%)

Green (41%)

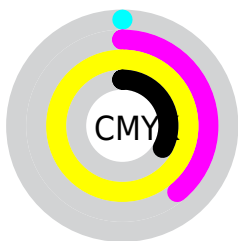
Blue (0%)



Red (42%)

Yellow (67%)

Blue (0%)

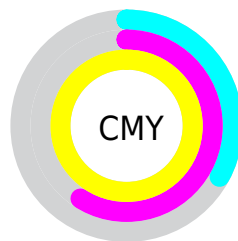


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8462, 18.7611, 2.4698 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 21.8462, 18.7611, 2.4698 by changing the saturation by 10% instead.


 21.8462, 18.7611,
2.4698


 21.8462, 18.7611,
2.4698


254.3895,
245.1267, 129.2914


 13.8599, 11.4978,
0.8241


 45.9724, 41.3300,
10.2894


 8.1043, 6.4027,
0.0000


 62.8430, 57.4044,
17.3071

 4.2142, 3.0915,
0.0000

 83.4058, 77.1846,
26.9548

 1.8240, 1.1797,
0.0000

 108.0261,
101.0550, 39.6509


 0.5321, 0.0450,
0.0000


 137.0693,
129.4001, 55.8141


 0.0000, 0.0000,
0.0000


 170.9007,


162.6041, 75.8629

 209.8856,
201.0515, 100.2158


 21.8462, 18.7611,
2.4698


 21.8462, 18.7611,
2.4698


 21.8464, 18.7617,
2.4699

 22.6471, 20.2000,
3.2400

 23.5887, 21.7796,
4.4895

 24.7076, 23.5172,
6.4044

 26.0209, 25.4214,
9.0692

 27.5433, 27.4997,
12.5561

■ 29.2877, 29.7589,
16.9286

■ 31.2660, 32.2052,
22.2438

■ 33.4890, 34.8447,
28.5541

■ 35.9668, 37.6828,
35.9080

Harmonies

Analogous

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



27.9595, 18.7611, 5.6031



21.8462, 18.7611, 2.4698



15.7537, 18.7611, 2.1848

Triad

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



21.8462, 18.7611, 2.4698



8.7875, 18.7611, 27.2751



26.4261, 18.7611, 56.5793

Complementary

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



21.8462, 18.7611, 2.4698



9.2989, 6.8366, 39.3574

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.



20.0852, 18.7611, 72.4942



21.8462, 18.7611, 2.4698



10.5033, 18.7611, 50.2893

Square

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



21.8462, 18.7611, 2.4698



9.0545, 18.7611, 11.4681



14.3421, 18.7611, 69.7074



30.9839, 18.7611, 33.1433

Rectangle

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



21.8462, 18.7611, 2.4698



12.5755, 18.7611, 3.2337



14.3421, 18.7611, 69.7074



24.3802, 18.7611, 63.4489

Sweetspot

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



21.8466, 18.7621, 2.4701



55.7963, 57.4360, 39.2859



17.8503, 9.0803, 6.3454



12.1098, 12.4009, 7.8535



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.8466, 18.7621, 2.4701



38.9146, 33.1786, 4.3531



27.8703, 35.9859, 5.4772



8.3991, 8.8031, 8.4699



16.5212, 14.2479, 1.8794



0.5105, 0.4981, 0.0692

Inverse Universe

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



9.2989, 6.8366, 39.3574



16.4624, 11.8612, 70.4237



7.5837, 3.0605, 38.7189



7.8229, 8.2451, 10.1319



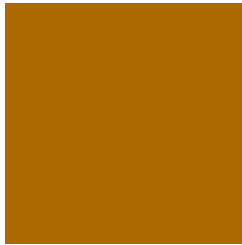
7.0577, 5.2492, 29.6857



0.2503, 0.2539, 0.8438

Previews

White Background



This preview shows how the XYZ color 21.8462, 18.7611, 2.4698 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 21.8462, 18.7611, 2.4698 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 21.8462, 18.7611, 2.4698

Background



This preview shows how black text looks on a background with the XYZ color 21.8462, 18.7611, 2.4698.



This preview shows how white text looks on a background with the XYZ color 21.8462, 18.7611,

2.4698.

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

21.8462, 18.7611, 2.4698

Protanopia

17.0634, 18.9380, 3.1368

Deuteranopia

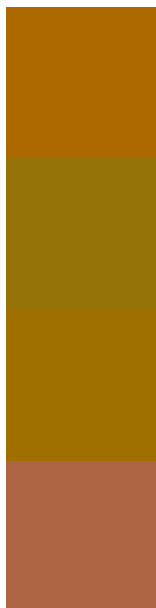
18.9662, 18.7100, 2.6118



Tritanopia

24.5967, 18.8692, 15.7103

Trichromacy



Original Color

21.8462, 18.7611, 2.4698

Protanomaly

18.5690, 18.6686, 2.8544

Deuteranomaly

19.9825, 18.7398, 2.5640

Tritanomaly

23.1224, 18.7113, 7.7031

Monochromacy



Original Color

21.8462, 18.7611, 2.4698

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.5771, 16.6881, 8.4783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8462, 18.7611, 2.4698 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(171, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 105, 0)  
}
```

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(171, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8462, 18.7611, 2.4698 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(171, 105, 0) }
```


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

```
.border{ border-color:rgb(171, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8462, 18.7611, 2.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 105, 0) }
```

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

```
.background{ background-color: rgb(171,  
105, 0) }
```

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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