

Converting Colors

XYZ(21.7385, 18.8073, 4.7699)

Have a look what the booklet for
XYZ(21.7385, 18.8073, 4.7699)
contains.

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Color

**XYZ(21.7385, 18.8073,
4.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	A86A2B
RGB	168, 106, 43
RGB Percent	66%, 42%, 17%
CMY	0.3412, 0.5843, 0.8314
CMYK	0.00, 0.37, 0.74, 0.34
HSL	30°, 59%, 41%
HSV	30°, 74%, 66%
XYZ	21.7385, 18.8073, 4.7699
YIQ	117.3560, 57.1750, -6.4490

Conversions

Conversions Part 2

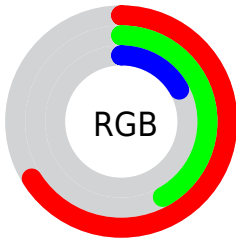
Format	Color
R _Y B	166, 168, 43
Decimal	11037227
CIE Lab	50.46, 19.30, 44.08
CIE LCh	50, 48.125, 66.352
Yxy	18.8073, 0.4797, 0.4150
Android (android.graphics.Color)	4289227307 (0xFFA86A2B)
YUV	117.3560, -36.6575, 44.4148
Hunter-Lab	43.3674, 13.5827, 23.8360

Details

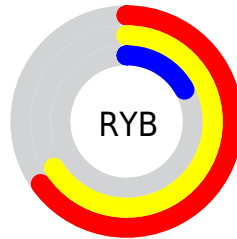
The XYZ color **21.7385, 18.8073, 4.7699** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1153, 13.4431, 38.9490**, and the grayscale version is **17.1174, 18.0089, 19.6117**.

A 20% lighter version of the original color is **45.8372, 41.5573, 15.7307**, and **8.0686, 6.4056, 0.8111** is the 20% darker color. If you saturate the color by 10%, you get **20.6742, 17.0745, 3.1952**, and if you desaturate by 10%, it is **23.0141, 20.7597, 7.0416**.

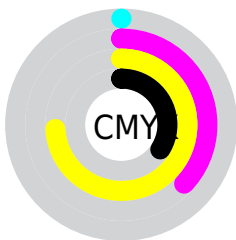
Distribution



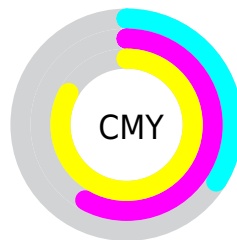
- Red (66%)
- Green (42%)
- Blue (17%)



- Red (65%)
- Yellow (66%)
- Blue (17%)



- Cyan (0%)
- Magenta (37%)
- Yellow (74%)
- Black (34%)





- Cyan (34%)
- Magenta (58%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7385, 18.8073, 4.7699 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 21.7385, 18.8073, 4.7699 by changing the saturation by 10% instead.


 21.7385, 18.8073,
4.7699


 21.7385, 18.8073,
4.7699


253.8357,
245.3829, 156.4328


 13.7804, 11.5311,
2.0565


 45.7955, 41.4082,
15.7497


 8.0488, 6.4253,
0.5897


 62.6251, 57.5018,
24.8532


 4.1782, 3.1054,
0.0000

 83.1426, 77.3032,
36.9238

 1.8035, 1.1870,
0.0000

 107.7133,
101.1970, 52.3801

 0.5198, 0.0510,
0.0000

 136.7026,
129.5674, 71.6407

 0.0000, 0.0000,
0.0000

 170.4759,

162.7989, 95.1239

209.3985,
201.2760, 123.2485

■ 21.7385, 18.8073,
4.7699

■ 21.7385, 18.8073,
4.7699

■ 20.6742, 17.0745,
3.1952

■ 23.0141, 20.7597,
7.0416

■ 19.8006, 15.5469,
2.2272

■ 24.5158, 22.9390,
10.0832

■ 19.3715, 14.7711,
1.8301

■ 26.2584, 25.3552,
13.9595

■ 28.2548, 28.0169,
18.7280

■ 30.5167, 30.9322,
24.4412

■ 33.0553, 34.1086,
31.1474

■ 35.8808, 37.5532,
38.8915

■ 39.0031, 41.2729,
47.7157

■ 42.4313, 45.2744,
57.6599

Harmonies

Analogous

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



26.1577, 18.8073, 8.6757



21.7385, 18.8073, 4.7699



16.8975, 18.8073, 4.0493

Triad

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



21.7385, 18.8073, 4.7699



10.3337, 18.8073, 23.4671



23.7652, 18.8073, 49.0798

Complementary

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



21.7385, 18.8073, 4.7699



13.1153, 13.4431, 38.9490

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.



18.8911, 18.8073, 58.3138



21.7385, 18.8073, 4.7699



11.5574, 18.8073, 39.8946

Square

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



21.7385, 18.8073, 4.7699



10.8280, 18.8073, 11.7741



14.5001, 18.8073, 54.3714



27.4634, 18.8073, 32.6689

Rectangle

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



21.7385, 18.8073, 4.7699



14.1676, 18.8073, 4.9673



14.5001, 18.8073, 54.3714



22.1803, 18.8073, 53.3909

Sweetspot

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



21.7389, 18.8083, 4.7702



56.2581, 57.2460, 46.6395



19.5879, 11.0829, 14.6067



12.0158, 12.1655, 9.5272



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7389, 18.8083, 4.7702



36.4909, 29.2150, 4.5867



30.5869, 36.5042, 7.7196



7.8318, 8.1437, 7.9484



14.6801, 11.2575, 1.3992



0.4083, 0.3762, 0.0511

Inverse Universe

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



13.1153, 13.4431, 38.9490



20.0335, 18.9823, 69.8332



8.9281, 5.0686, 37.5533



7.4276, 7.8921, 9.5502



7.7432, 6.9466, 28.9082



0.2397, 0.2716, 0.7204

Previews

White Background



This preview shows how the XYZ color 21.7385, 18.8073, 4.7699 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 21.7385, 18.8073, 4.7699 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 21.7385, 18.8073, 4.7699

Background



This preview shows how black text looks on a background with the XYZ color 21.7385, 18.8073, 4.7699.



This preview shows how white text looks on a background with the XYZ color 21.7385, 18.8073,

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

21.7385, 18.8073, 4.7699

Protanopia

17.1820, 18.9483, 5.4411

Deuteranopia

19.2762, 18.9940, 4.6577



Tritanopia

24.1289, 18.7559, 16.2584

Trichromacy



Original Color

21.7385, 18.8073, 4.7699

Protanomaly

18.5926, 18.7990, 5.2334

Deuteranomaly

20.0990, 18.9165, 4.6897

Tritanomaly

23.1462, 18.8008, 10.7965

Monochromacy



Original Color

21.7385, 18.8073, 4.7699

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9039, 17.7827, 12.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7385, 18.8073, 4.7699 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(168, 106, 43)` looks like.

```
.text, #text, p{  
    color:rgb(168, 106, 43)  
}
```

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(168, 106, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 106, 43) }
```

Border

The CSS property to change the border of an element to XYZ 21.7385, 18.8073, 4.7699 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(168, 106, 43) }
```


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

```
.border{ border-color:rgb(168, 106, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 106, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 106, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 106, 43);  
box-shadow:4px 4px 4px 4px rgb(168, 106,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7385, 18.8073, 4.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 106, 43) }
```

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

```
.background{ background-color: rgb(168,  
106, 43) }
```

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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