

Converting Colors

XYZ(21.8267, 18.7378, 4.0196)

Have a look what the booklet for
XYZ(21.8267, 18.7378, 4.0196)
contains.

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Color

**XYZ(21.7171, 18.6595,
4.0471)**

Conversions

Conversions Part 1

Format	Color
Hex	A96923
RGB	169, 105, 35
RGB Percent	66%, 41%, 14%
CMY	0.3373, 0.5882, 0.8627
CMYK	0.00, 0.38, 0.79, 0.34
HSL	31°, 66%, 40%
HSV	31°, 79%, 66%
XYZ	21.7171, 18.6595, 4.0471
YIQ	116.1560, 60.6140, -8.2020

Conversions

Conversions Part 2

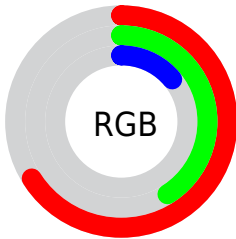
Format	Color
RYB	158, 169, 35
Decimal	11102499
CIELab	50.29, 19.96, 47.54
CIElCh	50, 51.560, 67.229
Yxy	18.6595, 0.4889, 0.4200
Android (android.graphics.Color)	4289292579 (0xFFA96923)
YUV	116.1560, -40.0099, 46.3442
Hunter-Lab	43.1966, 14.1467, 24.6828

Details

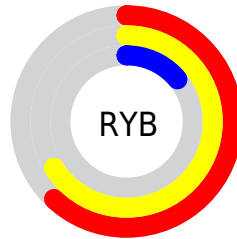
The XYZ color **21.7171, 18.6595, 4.0471** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.3160, 12.1449, 39.2308**, and the grayscale version is **16.7548, 17.6273, 19.1961**.

A 20% lighter version of the original color is **45.8413, 41.0908, 14.1096**, and **8.1452, 6.3710, 0.8004** is the 20% darker color. If you saturate the color by 10%, you get **20.7406, 17.0161, 2.7679**, and if you desaturate by 10%, it is **22.8933, 20.5092, 5.9893**.

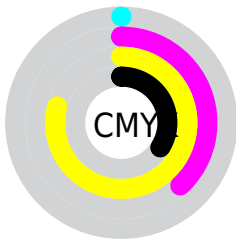
Distribution



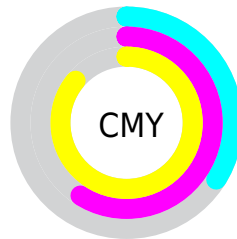
- Red (66%)
- Green (41%)
- Blue (14%)



- Red (62%)
- Yellow (66%)
- Blue (14%)



- Cyan (0%)
- Magenta (38%)
- Yellow (79%)
- Black (34%)



- Cyan (34%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7171, 18.6595, 4.0471 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 21.7171, 18.6595, 4.0471 by changing the saturation by 10% instead.

■ 21.7171, 18.6595,
4.0471

■ 21.7171, 18.6595,
4.0471

253.7255,
244.5625, 148.7475

■ 13.7646, 11.4245,
1.6512

■ 45.7603, 41.1579,
14.1182

■ 8.0377, 6.3531,
0.3270

■ 62.5818, 57.1902,
22.6306

■ 4.1711, 3.0610,
0.0000

■ 83.0902, 76.9236,
34.0188

■ 1.7994, 1.1636,
0.0000

■ 107.6511,
100.7426, 48.7015

■ 0.5173, 0.0317,
0.0000

■ 136.6297,
129.0316, 67.0972

■ 0.0000, 0.0000,
0.0000

■ 170.3914,

162.1750, 89.6244

209.3016,
200.5572, 116.7016

21.7171, 18.6595,
4.0471

21.7171, 18.6595,
4.0471

20.7406, 17.0161,
2.7679

22.8933, 20.5092,
5.9893

19.9296, 15.5595,
1.9874

24.2853, 22.5727,
8.6750

19.8755, 15.4619,
1.9369

25.9088, 24.8601,
12.1741

27.7771, 27.3799,
16.5482

29.9026, 30.1400,
21.8527

■ 32.2965, 33.1479,
28.1384

■ 34.9696, 36.4105,
35.4525

■ 37.9317, 39.9346,
43.8391

■ 41.1923, 43.7266,
53.3396

Harmonies

Analogous

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



26.5312, 18.6595, 7.8085



21.7171, 18.6595, 4.0471



16.5543, 18.6595, 3.4255

Triad

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



21.7171, 18.6595, 4.0471



9.8137, 18.6595, 23.9773



24.2014, 18.6595, 51.0176

Complementary

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



21.7171, 18.6595, 4.0471



12.3160, 12.1449, 39.2308

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.



18.9711, 18.6595, 61.6263



21.7171, 18.6595, 4.0471



11.1363, 18.6595, 41.9069

Square

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



21.7171, 18.6595, 4.0471



10.2736, 18.6595, 11.4243



14.2726, 18.6595, 57.6808



28.1431, 18.6595, 32.9265

Rectangle

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



21.7171, 18.6595, 4.0471



13.6950, 18.6595, 4.3633



14.2726, 18.6595, 57.6808



22.5011, 18.6595, 55.8873

Sweetspot

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



21.7175, 18.6605, 4.0474



55.5765, 56.5411, 44.3828



19.2521, 10.5527, 13.0198



11.8008, 11.9286, 8.8603



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.



21.7175, 18.6605, 4.0474



36.0568, 28.5165, 3.9194



30.3782, 36.6871, 7.0705



7.8432, 8.1664, 7.9522



14.8672, 11.6316, 1.4615



0.4125, 0.3845, 0.0525

Inverse Universe

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



12.3160, 12.1449, 39.2308



18.5891, 16.4529, 69.4211



8.5339, 4.4644, 37.9477



7.4163, 7.8694, 9.5464



7.5674, 6.5950, 28.8496



0.2356, 0.2634, 0.7191

Previews

White Background



This preview shows how the XYZ color 21.7171, 18.6595, 4.0471 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 21.7171, 18.6595, 4.0471 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 21.7171, 18.6595, 4.0471

Background



This preview shows how black text looks on a background with the XYZ color 21.7171, 18.6595, 4.0471.



This preview shows how white text looks on a background with the XYZ color 21.7171, 18.6595,

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

21.7171, 18.6595, 4.0471

Protanopia

17.0744, 18.7303, 4.6349

Deuteranopia

19.0271, 18.7129, 3.9054



Tritanopia

24.1511, 18.6395, 15.6895

Trichromacy



Original Color

21.7171, 18.6595, 4.0471

Protanomaly

18.5132, 18.6045, 4.4490

Deuteranomaly

20.0457, 18.7423, 3.9276

Tritanomaly

23.1149, 18.6572, 9.9723

Monochromacy



Original Color

21.7171, 18.6595, 4.0471

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.5061, 17.4274, 11.4580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7171, 18.6595, 4.0471 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(169, 105, 35)` looks like.

```
.text, #text, p{  
    color:rgb(169, 105, 35)  
}
```

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(169, 105, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 105, 35) }
```

Border

The CSS property to change the border of an element to XYZ 21.7171, 18.6595, 4.0471 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(169, 105, 35) }
```


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

```
.border{ border-color:rgb(169, 105, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 105, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 105, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 105, 35);  
box-shadow:4px 4px 4px 4px rgb(169, 105,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7171, 18.6595, 4.0471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 105, 35) }
```

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

```
.background{ background-color: rgb(169,  
105, 35) }
```

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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