

Converting Colors

XYZ(21.9437, 17.5690, 64.2907)

Have a look what the booklet for
XYZ(21.9437, 17.5690, 64.2907)
contains.

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Color

**XYZ(21.9675, 17.6029,
64.5272)**

Conversions

Conversions Part 1

Format	Color
Hex	616AD4
RGB	97, 106, 212
RGB Percent	38%, 42%, 83%
CMY	0.6196, 0.5843, 0.1686
CMYK	0.54, 0.50, 0.00, 0.17
HSL	235°, 57%, 61%
HSV	235°, 54%, 83%
XYZ	21.9675, 17.6029, 64.5272
YIQ	115.3930, -39.3900, 31.0580

Conversions

Conversions Part 2

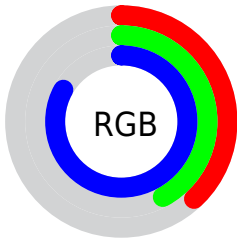
Format	Color
R _{YB}	97, 105, 212
Decimal	6384340
CIE _{Lab}	49.01, 26.62, -55.91
CIE _{LCh}	49, 61.921, 295.466
Y _{xy}	17.6029, 0.2110, 0.1691
Android (android.graphics.Color)	4284574420 (0xFF616AD4)
Y _{UV}	115.3930, 47.6273, -16.1307
Hunter-Lab	41.9558, 20.0375, -61.8178

Details

The XYZ color **21.9675, 17.6029, 64.5272** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.6668, 57.5750, 19.7534**, and the grayscale version is **16.2841, 17.1321, 18.6569**.

A 20% lighter version of the original color is **43.6245, 38.3025, 99.7016**, and **8.2148, 5.8536, 32.5952** is the 20% darker color. If you saturate the color by 10%, you get **18.2134, 13.0112, 63.8392**, and if you desaturate by 10%, it is **26.7855, 23.4245, 65.3973**.

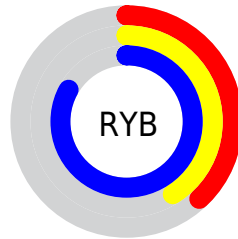
Distribution



Red (38%)

Green (42%)

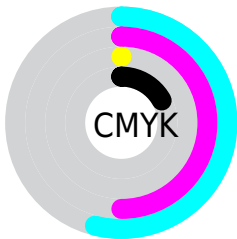
Blue (83%)



Red (38%)

Yellow (41%)

Blue (83%)

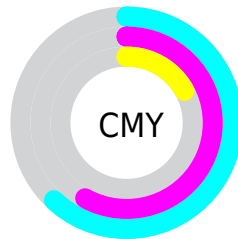


Cyan (54%)

Magenta (50%)

Yellow (0%)

Black (17%)



Cyan (62%)

Magenta (58%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9675, 17.6029, 64.5272 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 21.9675, 17.6029, 64.5272 by changing the saturation by 10% instead.

■ 21.9675, 17.6029,
64.5272

■ 21.9675, 17.6029,
64.5272

255.0121,
238.6232, 459.3506

■ 13.9495, 10.6653,
46.6289

■ 46.1715, 39.3595,
112.9766

■ 8.1670, 5.8422,
32.3901

■ 63.0883, 54.9473,
144.3648

■ 4.2547, 2.7494,
21.3924

■ 83.7019, 74.1872,
181.0867

■ 1.8472, 1.0023,
13.2171

■ 108.3779, 97.4637,
223.5608

■ 0.5459, 0.0000,
7.4457

137.4816,
125.1611, 272.2057

■ 0.0000, 0.0000,
3.6597

171.3782,

■ 0.0000, 0.0000,

157.6639, 327.4400

1.4406

210.4333,
195.3565, 389.6821

■ 0.0000, 0.0000,
0.1731

■ 0.0000, 0.0000,
0.0000

■ 21.9675, 17.6029,
64.5272

■ 21.9675, 17.6029,
64.5272

■ 18.2134, 13.0112,
63.8392

■ 26.7855, 23.4245,
65.3973

■ 15.4400, 9.5591,
63.3190

■ 32.7375, 30.5541,
66.4598

■ 13.5556, 7.1467,
62.9527

■ 39.8903, 39.0654,
67.7256

■ 12.4496, 5.6558,
62.7232

■ 48.3049, 49.0259,
69.2047

■ 12.0778, 5.1416,
62.6436

■ 58.0381, 60.4989,
70.9062

■ 69.1432, 73.5438,
72.8388

■ 81.6708, 88.2169,
75.0108

■ 88.8837, 97.5335,
76.4289

Harmonies

Analogous

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



15.8694, 17.6029, 71.4717



21.9675, 17.6029, 64.5272



27.6322, 17.6029, 43.4022

Triad

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



21.9675, 17.6029, 64.5272



23.8393, 17.6029, 3.1011



7.9311, 17.6029, 16.7635

Complementary

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



21.9675, 17.6029, 64.5272



50.6668, 57.5750, 19.7534

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.



9.1564, 17.6029, 6.2099



21.9675, 17.6029, 64.5272



17.6232, 17.6029, 1.7383

Square

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



21.9675, 17.6029, 64.5272



28.8755, 17.6029, 8.4959



12.4008, 17.6029, 2.4137



8.5822, 17.6029, 36.3257

Rectangle

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



21.9675, 17.6029, 64.5272



29.9278, 17.6029, 28.2944



12.4008, 17.6029, 2.4137



8.1274, 17.6029, 12.2490

Sweetspot

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



21.9683, 17.6035, 64.5277



70.7538, 71.3739, 104.6552



39.1842, 53.9130, 64.4778



14.5575, 14.5830, 22.2975



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.9683, 17.6035, 64.5277



26.9664, 18.9012, 96.8348



27.8220, 19.3165, 64.5498



11.8199, 12.1632, 15.6623



7.4850, 3.2318, 38.6824



0.4793, 0.2506, 2.3424

Inverse Universe

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



34.0284, 23.5883, 16.3954



47.2422, 29.4100, 15.8130



41.0292, 55.8521, 19.9288



12.4623, 12.4364, 13.1086



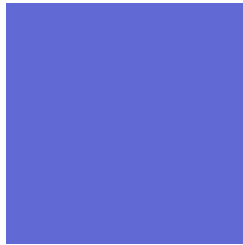
16.8369, 8.6711, 1.1795



1.0296, 0.5286, 0.1451

Previews

White Background



This preview shows how the XYZ color 21.9675, 17.6029, 64.5272 looks on a white 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

Black Background



This preview shows how the XYZ color 21.9675, 17.6029, 64.5272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

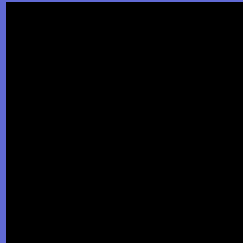
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9675, 17.6029, 64.5272

Background



This preview shows how black text looks on a background with the XYZ color 21.9675, 17.6029, 64.5272.



This preview shows how white text looks on a background with the XYZ color 21.9675, 17.6029,

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

21.9675, 17.6029, 64.5272

Protanopia

20.4362, 17.8243, 69.3812

Deuteranopia

18.1682, 17.6537, 62.7715



Tritanopia

14.2326, 17.7186, 25.5916

Trichromacy



Original Color

21.9675, 17.6029, 64.5272

Protanomaly

20.6431, 17.4874, 67.2532

Deuteranomaly

18.6889, 17.2232, 63.3122

Tritanomaly

16.3976, 17.3067, 37.1266

Monochromacy



Original Color

21.9675, 17.6029, 64.5272

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4835, 16.9785, 31.2099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9675, 17.6029, 64.5272 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(97, 106, 212)` looks like.

```
.text, #text, p{  
    color:rgb(97, 106, 212)  
}
```

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(97, 106, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 106, 212) }
```

Border

The CSS property to change the border of an element to XYZ 21.9675, 17.6029, 64.5272 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(97, 106, 212) }
```


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

```
.border{ border-color:rgb(97, 106, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 106, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 106, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 106, 212);  
box-shadow:4px 4px 4px 4px rgb(97, 106,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9675, 17.6029, 64.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 106, 212) }
```

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

```
.background{ background-color: rgb(97, 106,  
212) }
```

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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