

Converting Colors

XYZ(21.4159, 16.5705, 71.1769)

Have a look what the booklet for
XYZ(21.4159, 16.5705, 71.1769)
contains.

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Color

**XYZ(21.4159, 16.5705,
71.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	5266DE
RGB	82, 102, 222
RGB Percent	32%, 40%, 87%
CMY	0.6784, 0.6000, 0.1294
CMYK	0.63, 0.54, 0.00, 0.13
HSL	231°, 68%, 60%
HSV	231°, 63%, 87%
XYZ	21.4159, 16.5705, 71.1769
YIQ	109.7000, -50.4400, 33.0800

Conversions

Conversions Part 2

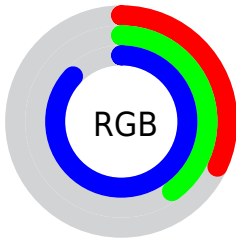
Format	Color
R _Y B	82, 100, 222
Decimal	5400286
CIE Lab	47.71, 29.62, -63.72
CIE LCh	48, 70.273, 294.932
Yxy	16.5705, 0.1962, 0.1518
Android (android.graphics.Color)	4283590366 (0xFF5266DE)
YUV	109.7000, 55.3639, -24.2929
Hunter-Lab	40.7069, 22.6719, -75.1751

Details

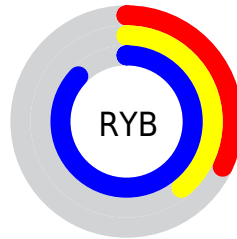
The XYZ color **21.4159, 16.5705, 71.1769** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **52.7702, 58.3841, 16.4723**, and the grayscale version is **14.5932, 15.3532, 16.7196**.

A 20% lighter version of the original color is **40.9428, 35.9318, 99.3853**, and **8.2971, 5.5815, 36.7164** is the 20% darker color. If you saturate the color by 10%, you get **18.1278, 12.4107, 70.5477**, and if you desaturate by 10%, it is **25.7591, 21.9115, 71.9793**.

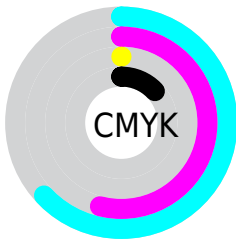
Distribution



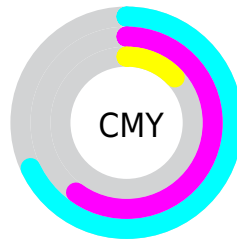
- Red (32%)
- Green (40%)
- Blue (87%)



- Red (32%)
- Yellow (39%)
- Blue (87%)



- Cyan (63%)
- Magenta (54%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (60%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4159, 16.5705, 71.1769 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 21.4159, 16.5705, 71.1769 by changing the saturation by 10% instead.

■ 21.4159, 16.5705,
71.1769

■ 21.4159, 16.5705,
71.1769

252.1707,
232.6850, 483.5719

■ 13.5425, 9.9287,
52.0039

■ 45.2648, 37.5858,
122.5824

■ 7.8828, 5.3517,
36.6259

■ 61.9710, 52.7282,
155.6519

■ 4.0712, 2.4551,
24.6244

■ 82.3522, 71.4729,
194.1907

■ 1.7425, 0.8540,
15.5810

■ 106.7738, 94.2043,
238.6172

■ 0.4826, 0.0000,
9.0770

135.6010,
121.3068, 289.3500

■ 0.0000, 0.0000,
4.6940

169.1994,

■ 0.0000, 0.0000,

153.1648, 346.8077

2.0133

207.9341,
190.1628, 411.4089

■ 0.0000, 0.0000,
0.5634

■ 0.0000, 0.0000,
0.0000

■ 21.4159, 16.5705,
71.1769

■ 21.4159, 16.5705,
71.1769

■ 18.1278, 12.4107,
70.5477

■ 25.7591, 21.9115,
71.9793

■ 15.7999, 9.3387,
70.0774

■ 31.2363, 28.5143,
72.9651

■ 14.3236, 7.2490,
69.7519

■ 37.9215, 36.4538,
74.1452

■ 13.6934, 6.2911,
69.6002

■ 45.8819, 45.7986,
75.5294

■ 55.1795, 56.6127,
77.1267

■ 65.8722, 68.9560,
78.9456

■ 78.0146, 82.8850,
80.9942

■ 89.9423, 97.5688,
83.1998

■ 90.1849, 98.0540,
83.2807

Harmonies

Analogous

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



14.7058, 16.5705, 79.1779



21.4159, 16.5705, 71.1769



27.8624, 16.5705, 46.1438

Triad

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



21.4159, 16.5705, 71.1769



23.7674, 16.5705, 1.9510



6.5155, 16.5705, 15.1535

Complementary

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



21.4159, 16.5705, 71.1769



52.7702, 58.3841, 16.4723

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.



7.7820, 16.5705, 4.5646



21.4159, 16.5705, 71.1769



16.8420, 16.5705, 0.8577

Square

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



21.4159, 16.5705, 71.1769



29.4539, 16.5705, 7.0285



11.1831, 16.5705, 1.3359



7.1334, 16.5705, 36.9287

Rectangle

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



21.4159, 16.5705, 71.1769



30.5465, 16.5705, 28.6235



11.1831, 16.5705, 1.3359



6.7222, 16.5705, 10.4552

Sweetspot

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



21.4167, 16.5710, 71.1773



67.5690, 68.2455, 104.2192



40.1446, 58.2542, 64.3877



13.7065, 13.7260, 22.1769



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.



21.4167, 16.5710, 71.1773



23.5489, 15.3426, 96.3280



25.5638, 16.1356, 70.8747



13.1092, 13.5575, 17.3136



8.1819, 3.8333, 41.3570



0.6179, 0.3673, 2.8836

Inverse Universe

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



35.5406, 22.5248, 15.0450



44.7174, 25.3381, 11.9578



44.8790, 61.7368, 17.5353



13.7866, 13.7323, 14.6463



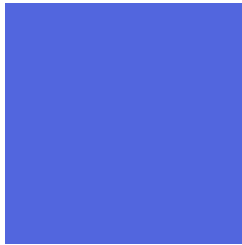
18.0700, 9.2950, 1.7686



1.2782, 0.6545, 0.2577

Previews

White Background



This preview shows how the XYZ color 21.4159, 16.5705, 71.1769 looks on a white background.

Color Contrast Check

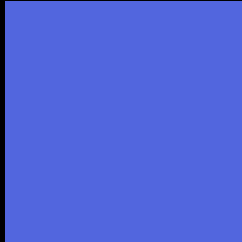
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4159, 16.5705, 71.1769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

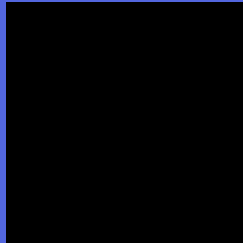
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4159, 16.5705, 71.1769

Background



This preview shows how black text looks on a background with the XYZ color 21.4159, 16.5705, 71.1769.



This preview shows how white text looks on a background with the XYZ color 21.4159, 16.5705,

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

21.4159, 16.5705, 71.1769

Protanopia

19.7939, 16.5310, 76.2763

Deuteranopia

16.6733, 16.4785, 57.5602



Tritanopia

12.1064, 16.4436, 25.0901

Trichromacy



Original Color

21.4159, 16.5705, 71.1769

Protanomaly

19.8778, 16.3126, 74.0525

Deuteranomaly

17.6200, 16.0313, 62.4873

Tritanomaly

14.4437, 15.9221, 38.3884

Monochromacy



Original Color

21.4159, 16.5705, 71.1769

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.0991, 15.4591, 31.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4159, 16.5705, 71.1769 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(82, 102, 222)` looks like.

```
.text, #text, p{  
    color:rgb(82, 102, 222)  
}
```

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(82, 102, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 102, 222) }
```

Border

The CSS property to change the border of an element to XYZ 21.4159, 16.5705, 71.1769 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(82, 102, 222) }
```


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

```
.border{ border-color:rgb(82, 102, 222) }
```

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

Here you see how a box with a 4 pixel rgb(82, 102, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 102, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 102, 222);  
box-shadow:4px 4px 4px 4px rgb(82, 102,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4159, 16.5705, 71.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 102, 222) }
```

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

```
.background{ background-color: rgb(82, 102,  
222) }
```

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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