

Converting Colors

XYZ(21.6479, 9.4343, 78.9746)

Have a look what the booklet for
XYZ(21.6479, 9.4343, 78.9746)
contains.

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Color

**XYZ(21.6775, 9.4429,
79.2774)**

Conversions

Conversions Part 1

Format	Color
Hex	7000EB
RGB	112, 0, 235
RGB Percent	44%, 0%, 92%
CMY	0.5608, 1.0000, 0.0784
CMYK	0.52, 1.00, 0.00, 0.08
HSL	269°, 100%, 46%
HSV	269°, 100%, 92%
XYZ	21.6775, 9.4429, 79.2774
YIQ	60.2780, -8.6830, 96.8290

Conversions

Conversions Part 2

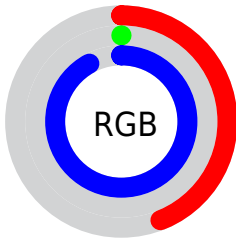
Format	Color
R_{YB}	112, 0, 235
Decimal	7340267
CIE Lab	36.82, 77.80, -88.85
CIE LCh	37, 118.099, 311.206
Yxy	9.4429, 0.1964, 0.0855
Android (android.graphics.Color)	4285530347 (0xFF7000EB)
YUV	60.2780, 86.1379, 45.3602
Hunter-Lab	30.7293, 72.1437, -131.4496

Details

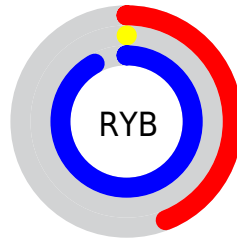
The XYZ color **21.6775, 9.4429, 79.2774** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **37.8760, 63.6274, 10.2851**, and the grayscale version is **4.2190, 4.4387, 4.8338**.

A 20% lighter version of the original color is **38.6789, 21.8989, 96.7960**, and **8.6956, 3.5544, 42.3472** is the 20% darker color. If you saturate the color by 10%, you get **21.6783, 9.4433, 79.2777**, and if you desaturate by 10%, it is **23.6683, 10.9389, 79.4615**.

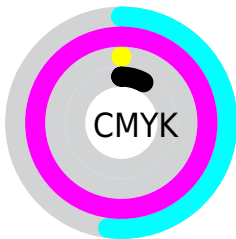
Distribution



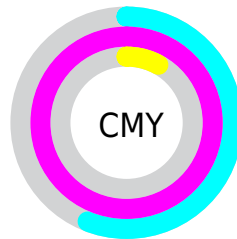
- Red (44%)
- Green (0%)
- Blue (92%)



- Red (44%)
- Yellow (0%)
- Blue (92%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)




- Cyan (56%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6775, 9.4429, 79.2774 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 21.6775, 9.4429, 79.2774 by changing the saturation by 10% instead.


 21.6775, 9.4429,
79.2774


 21.6775, 9.4429,
79.2774


253.5216,
186.6484, 512.1367


 13.7354, 5.0312,
58.6012


 45.6952, 24.7422,
134.1515

 8.0173, 2.2656,
41.8743

 62.5016, 36.3987,
169.1866

 4.1579, 0.7554,
28.6781


 82.9934, 51.2388,
209.8450

 1.7919, 0.0000,
18.5939

 107.5360, 69.6469,
256.5453

 0.5128, 0.0000,
11.2034

 136.4947, 92.0076,
309.7061

 0.0000, 0.0000,
6.0879

 170.2350,

 0.0000, 0.0000,

118.7051, 369.7459

2.8290

209.1222,
150.1239, 437.0833

0.0000, 0.0000,
1.0080

0.0000, 0.0000,
0.0000

21.6775, 9.4429,
79.2774

21.6775, 9.4429,
79.2774

21.6783, 9.4433,
79.2777

23.6683, 10.9389,
79.4615

26.2638, 13.3162,
79.7836

29.5940, 16.8219,
80.2847

33.7372, 21.6019,
80.9890

■ 38.7602, 27.7793,
81.9166

■ 44.7221, 35.4624,
83.0854

■ 51.6762, 44.7482,
84.5112

■ 59.6715, 55.7254,
86.2086

■ 68.7536, 68.4762,
88.1911

Harmonies

Analogous

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



11.9722, 9.4429, 120.5844



21.6775, 9.4429, 79.2774



29.7515, 9.4429, 29.3000

Triad

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



21.6775, 9.4429, 79.2774



14.2682, 9.4429, 0.0000



1.0637, 9.4429, 20.1785

Complementary

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



21.6775, 9.4429, 79.2774



37.8760, 63.6274, 10.2851

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.



1.1833, 9.4429, 2.0295



21.6775, 9.4429, 79.2774



6.5254, 9.4429, 0.0000

Square

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



21.6775, 9.4429, 79.2774



24.1160, 9.4429, 0.0000



2.5605, 9.4429, 0.0000



2.0349, 9.4429, 65.5494

Rectangle

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



21.6775, 9.4429, 79.2774



31.4306, 9.4429, 9.4624



2.5605, 9.4429, 0.0000



1.0015, 9.4429, 11.1470

Sweetspot

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



21.6783, 9.4433, 79.2777



62.0831, 53.7014, 101.7010



22.3714, 20.7500, 81.4236



12.4990, 10.4317, 21.6047



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.



21.6783, 9.4433, 79.2777



26.0108, 11.3239, 95.4226



46.7267, 22.3563, 80.4500



14.9142, 14.9010, 19.0124



12.2103, 5.3306, 44.1283



1.0693, 0.4755, 3.4703

Inverse Universe

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



37.8359, 19.0922, 20.4281



45.5056, 22.9663, 24.3925



29.8065, 59.4674, 9.9074



15.3948, 15.1858, 17.3642



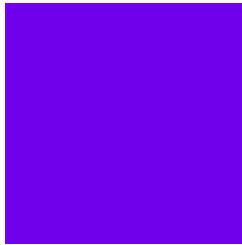
21.1224, 10.6516, 11.7116



1.7072, 0.8558, 1.1755

Previews

White Background



This preview shows how the XYZ color 21.6775, 9.4429, 79.2774 looks on a white background.

Color Contrast Check

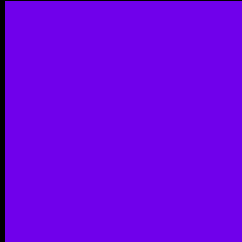
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 21.6775, 9.4429, 79.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

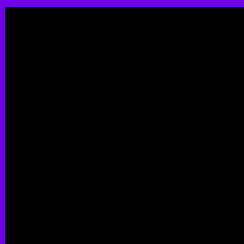
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6775, 9.4429, 79.2774

Background



This preview shows how black text looks on a background with the XYZ color 21.6775, 9.4429, 79.2774.



This preview shows how white text looks on a background with the XYZ color 21.6775, 9.4429,

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

21.6775, 9.4429, 79.2774

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4909, 9.7821, 31.5249



Tritanopia

8.5190, 9.6851, 13.2248

Trichromacy



Original Color

21.6775, 9.4429, 79.2774

Protanomaly

12.5424, 7.2333, 54.7679

Deuteranomaly

10.9748, 6.9164, 45.5563

Tritanomaly

10.6047, 7.0955, 28.8276

Monochromacy



Original Color

21.6775, 9.4429, 79.2774

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.5557, 4.5037, 19.5399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6775, 9.4429, 79.2774 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(112, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 235)  
}
```

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(112, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 21.6775, 9.4429, 79.2774 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(112, 0, 235) }
```


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

```
.border{ border-color:rgb(112, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6775, 9.4429, 79.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 235) }
```

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

```
.background{ background-color: rgb(112, 0,  
235) }
```

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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