

Converting Colors

XYZ(21.9206, 9.7400, 71.5304)

Have a look what the booklet for
XYZ(21.9206, 9.7400, 71.5304)
contains.

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Color

**XYZ(21.9120, 9.7418,
71.2465)**

Conversions

Conversions Part 1

Format	Color
Hex	7D00E0
RGB	125, 0, 224
RGB Percent	49%, 0%, 88%
CMY	0.5098, 1.0000, 0.1216
CMYK	0.44, 1.00, 0.00, 0.12
HSL	273°, 100%, 44%
HSV	273°, 100%, 88%
XYZ	21.9120, 9.7418, 71.2465
YIQ	62.9110, 2.5960, 96.1640

Conversions

Conversions Part 2

Format	Color
R_{YB}	125, 0, 224
Decimal	8192224
CIE _{Lab}	37.37, 76.52, -81.61
CIE _{LCh}	37, 111.871, 313.158
Yxy	9.7418, 0.2129, 0.0947
Android (android.graphics.Color)	4286382304 (0xFF7D00E0)
YUV	62.9110, 79.4169, 54.4521
Hunter-Lab	31.2119, 70.6936, -113.4915

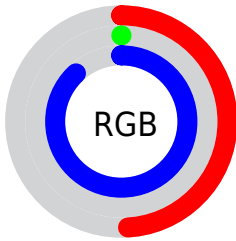
Details

The XYZ color **21.9120, 9.7418, 71.2465** is a dark color, and the websafe version is hex **6600CC**.

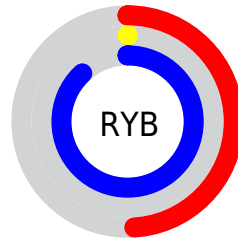
The color can be described as dark washed purple. A complement of this color would be **31.8009, 55.9639, 9.1260**, and the grayscale version is **4.5992, 4.8387, 5.2694**.

A 20% lighter version of the original color is **41.0957, 23.2511, 96.9297**, and **8.7787, 3.7198, 36.8145** is the 20% darker color. If you saturate the color by 10%, you get **21.9127, 9.7421, 71.2468**, and if you desaturate by 10%, it is **23.7254, 11.1140, 71.4160**.

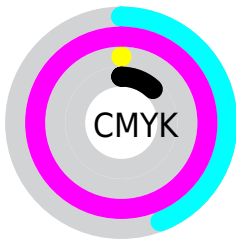
Distribution



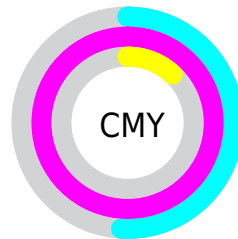
- Red (49%)
- Green (0%)
- Blue (88%)



- Red (49%)
- Yellow (0%)
- Blue (88%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (51%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9120, 9.7418, 71.2465 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 21.9120, 9.7418, 71.2465 by changing the saturation by 10% instead.


 21.9120, 9.7418,
71.2465


 21.9120, 9.7418,
71.2465


254.7274,
188.8192, 483.8215

 13.9085, 5.2281,
52.0603


 46.0804, 25.3087,
122.6824


 8.1383, 2.3817,
36.6706


 62.9761, 37.1307,
155.7692


 4.2361, 0.8165,
24.6588


 83.5665, 52.1576,
194.3265

 1.8366, 0.0000,
15.6063

 108.2170, 70.7738,
238.7731

 0.5396, 0.0000,
9.0947

 137.2930, 93.3636,
289.5273

 0.0000, 0.0000,
4.7053

 171.1598,

 0.0000, 0.0000,

120.3115, 347.0078

2.0197

210.1828,
152.0019, 411.6330

■ 0.0000, 0.0000,
0.5674

■ 0.0000, 0.0000,
0.0000

■ 21.9120, 9.7418,
71.2465

■ 21.9120, 9.7418,
71.2465

■ 21.9127, 9.7421,
71.2468

■ 23.7254, 11.1140,
71.4160

■ 26.0278, 13.2453,
71.7061

■ 28.9343, 16.3592,
72.1539

■ 32.5117, 20.5837,
72.7808

■ 36.8165, 26.0267,
73.6045

■ 41.8987, 32.7830,
74.6407

■ 47.8034, 40.9375,
75.9035

■ 54.5719, 50.5682,
77.4057

■ 62.2425, 61.7469,
79.1591

Harmonies

Analogous

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



12.6869, 9.7418, 110.4579



21.9120, 9.7418, 71.2465



29.1371, 9.7418, 26.2265

Triad

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



21.9120, 9.7418, 71.2465



13.7501, 9.7418, 0.0000



1.3514, 9.7418, 22.0743

Complementary

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



21.9120, 9.7418, 71.2465



31.8009, 55.9639, 9.1260

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.



1.4147, 9.7418, 2.8833



21.9120, 9.7418, 71.2465



6.5124, 9.7418, 0.0000

Square

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



21.9120, 9.7418, 71.2465



23.0207, 9.7418, 0.0000



2.7525, 9.7418, 0.0000



2.4879, 9.7418, 65.1672

Rectangle

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



21.9120, 9.7418, 71.2465



30.3538, 9.7418, 8.6158



2.7525, 9.7418, 0.0000



1.2609, 9.7418, 12.8839

Sweetspot

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



21.9127, 9.7421, 71.2468



63.9471, 54.6623, 101.7882



18.0889, 14.6504, 72.3957



12.9399, 10.6589, 21.6253



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.



21.9127, 9.7421, 71.2468



29.2575, 12.9977, 95.5745



42.7255, 20.6413, 64.5503



13.6800, 13.6186, 17.2953



12.8890, 5.7398, 41.4769



0.9958, 0.4507, 2.8797

Inverse Universe

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



32.9925, 16.7481, 13.2972



44.2036, 22.4454, 17.5359



26.7173, 53.3362, 9.2095



13.9576, 13.8007, 15.5471



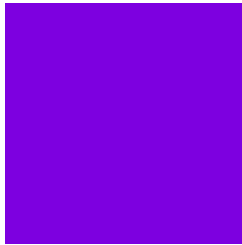
19.2598, 9.7709, 8.0336



1.3795, 0.6951, 0.7911

Previews

White Background



This preview shows how the XYZ color 21.9120, 9.7418, 71.2465 looks on a white background.

Color Contrast Check

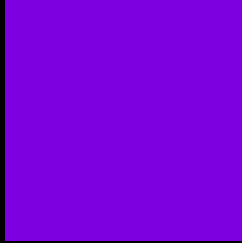
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9120, 9.7418, 71.2465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

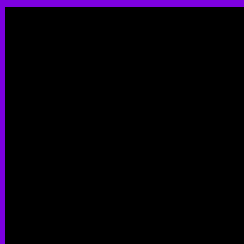
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9120, 9.7418, 71.2465

Background



This preview shows how black text looks on a background with the XYZ color 21.9120, 9.7418, 71.2465.



This preview shows how white text looks on a background with the XYZ color 21.9120, 9.7418,

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

21.9120, 9.7418, 71.2465

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.8279, 10.0546, 32.8752



Tritanopia

10.0447, 10.0042, 11.9913

Trichromacy



Original Color

21.9120, 9.7418, 71.2465



Protanomaly

12.5264, 7.3215, 53.5763



Deuteranomaly

10.9866, 7.0220, 44.4924



Tritanomaly

11.9996, 7.6587, 26.0451

Monochromacy



Original Color

21.9120, 9.7418, 71.2465



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

8.1094, 4.9012, 18.9310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9120, 9.7418, 71.2465 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(125, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 224)  
}
```

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(125, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.9120, 9.7418, 71.2465 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(125, 0, 224) }
```


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

```
.border{ border-color:rgb(125, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9120, 9.7418, 71.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 224) }
```

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

```
.background{ background-color: rgb(125, 0,  
224) }
```

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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