

Converting Colors

XYZ(21.8716, 9.5496, 78.9851)

Have a look what the booklet for
XYZ(21.8716, 9.5496, 78.9851)
contains.

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Color

**XYZ(21.9348, 9.5756,
79.2894)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 7200EB |
| RGB | 114, 0, 235 |
| RGB Percent | 45%, 0%, 92% |
| CMY | 0.5529, 1.0000, 0.0784 |
| CMYK | 0.51, 1.00, 0.00, 0.08 |
| HSL | 269°, 100%, 46% |
| HSV | 269°, 100%, 92% |
| XYZ | 21.9348, 9.5756, 79.2894 |
| YIQ | 60.8760, -7.4910, 97.2530 |

Conversions

Conversions Part 2

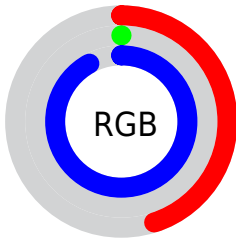
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 114, 0, 235 |
| Decimal | 7471339 |
| CIELab | 37.07, 77.94, -88.44 |
| CIELCh | 37, 117.881, 311.391 |
| Yxy | 9.5756, 0.1980, 0.0864 |
| Android (android.graphics.Color) | 4285661419 (0xFF7200EB) |
| YUV | 60.8760, 85.8431, 46.5897 |
| Hunter-Lab | 30.9445, 72.3758, -130.2584 |

Details

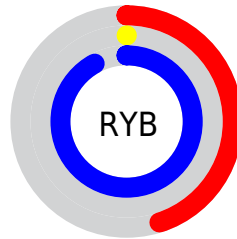
The XYZ color **21.9348, 9.5756, 79.2894** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **37.5929, 63.4814, 10.2718**, and the grayscale version is **4.3021, 4.5262, 4.9290**.

A 20% lighter version of the original color is **38.9774, 22.1591, 96.8305**, and **8.8352, 3.6264, 42.3538** is the 20% darker color. If you saturate the color by 10%, you get **21.9356, 9.5759, 79.2897**, and if you desaturate by 10%, it is **23.9315, 11.0746, 79.4738**.

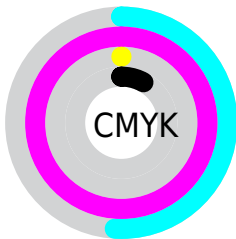
Distribution



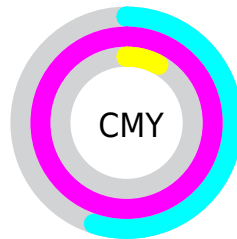
- Red (45%)
- Green (0%)
- Blue (92%)



- Red (45%)
- Yellow (0%)
- Blue (92%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (55%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9348, 9.5756, 79.2894 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 21.9348, 9.5756, 79.2894 by changing the saturation by 10% instead.


 21.9348, 9.5756,
79.2894


 21.9348, 9.5756,
79.2894


254.8444,
187.6156, 512.1783


 13.9253, 5.1185,
58.6111


 46.1179, 24.9941,
134.1686


 8.1501, 2.3170,
41.8822


 63.0222, 36.7243,
169.2065


 4.2438, 0.7827,
28.6841


 83.6222, 51.6477,
209.8679

 1.8409, 0.0000,
18.5985

 108.2831, 70.1486,
256.5716

 0.5422, 0.0000,
11.2067

 137.3705, 92.6115,
309.7359

 0.0000, 0.0000,
6.0901

 171.2496,

 0.0000, 0.0000,

119.4207, 369.7794

2.8303

210.2858,
150.9606, 437.1207

0.0000, 0.0000,
1.0086

0.0000, 0.0000,
0.0000

21.9348, 9.5756,
79.2894

21.9348, 9.5756,
79.2894

21.9356, 9.5759,
79.2897

23.9315, 11.0746,
79.4738

26.5270, 13.4519,
79.7959

29.8507, 16.9542,
80.2967

33.9805, 21.7273,
81.0003

■ 38.9830, 27.8942,
81.9270

■ 44.9167, 35.5627,
83.0944

■ 51.8347, 44.8299,
84.5185

■ 59.7858, 55.7843,
86.2139

■ 68.8151, 68.5079,
88.1939

Harmonies

Analogous

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



12.1729, 9.5756, 120.8221



21.9348, 9.5756, 79.2894



30.0091, 9.5756, 29.2956

Triad

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



21.9348, 9.5756, 79.2894



14.3700, 9.5756, 0.0000



1.1027, 9.5756, 20.5823

Complementary

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



21.9348, 9.5756, 79.2894



37.5929, 63.4814, 10.2718

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.



1.2188, 9.5756, 2.1293



21.9348, 9.5756, 79.2894



6.5955, 9.5756, 0.0000

Square

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



21.9348, 9.5756, 79.2894



24.2640, 9.5756, 0.0000



2.6079, 9.5756, 0.0000



2.1005, 9.5756, 66.2118

Rectangle

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



21.9348, 9.5756, 79.2894



31.6588, 9.5756, 9.4779



2.6079, 9.5756, 0.0000



1.0372, 9.5756, 11.4357

Sweetspot

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



21.9356, 9.5759, 79.2897



62.2746, 53.8001, 101.7100



21.8836, 19.7745, 81.2610



12.5442, 10.4549, 21.6068



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.



21.9356, 9.5759, 79.2897



26.3200, 11.4833, 95.4370



47.9774, 23.0010, 80.5085



14.9268, 14.9075, 19.0130



12.3543, 5.4048, 44.1351



1.0808, 0.4815, 3.4708

Inverse Universe

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



37.7119, 19.0426, 19.7755



45.3566, 22.9066, 23.6076



29.7574, 59.4421, 9.9051



15.3893, 15.1836, 17.3351



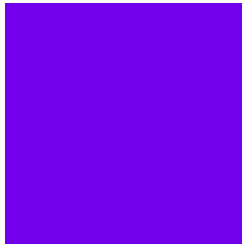
21.0532, 10.6240, 11.3475



1.7018, 0.8537, 1.1470

Previews

White Background



This preview shows how the XYZ color 21.9348, 9.5756, 79.2894 looks on a white background.

Color Contrast Check

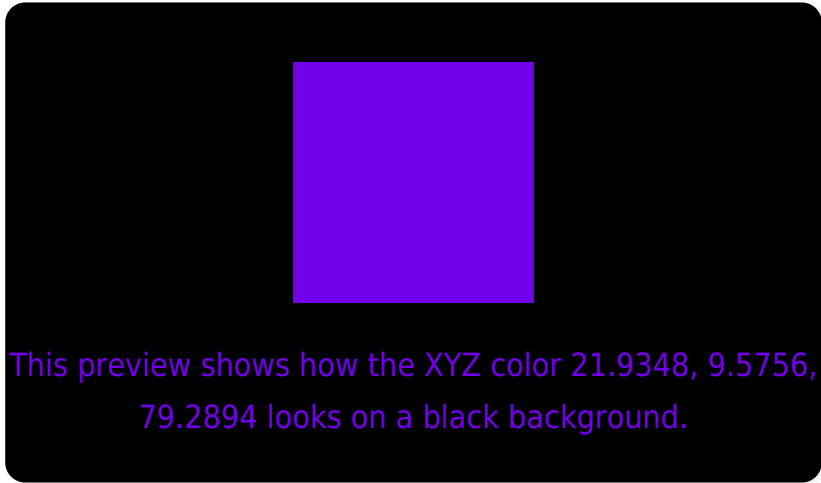
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

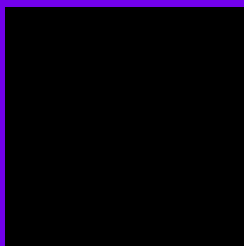
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9348, 9.5756, 79.2894

Background



This preview shows how black text looks on a background with the XYZ color 21.9348, 9.5756, 79.2894.



This preview shows how white text looks on a background with the XYZ color 21.9348, 9.5756,

79.2894.

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

21.9348, 9.5756, 79.2894

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.5738, 9.8153, 31.9618



Tritanopia

8.8173, 9.8389, 13.2388

Trichromacy



Original Color

21.9348, 9.5756, 79.2894



Protanomaly

12.7060, 7.3739, 55.3972



Deuteranomaly

10.9748, 6.9164, 45.5563



Tritanomaly

10.9782, 7.2881, 28.8451

Monochromacy



Original Color

21.9348, 9.5756, 79.2894



Achromatopsia

4.4355, 4.6665, 5.0818



Achromatomaly

7.6719, 4.6117, 19.5546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9348, 9.5756, 79.2894 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(114, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 21.9348, 9.5756, 79.2894 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(114, 0, 235) }
```


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

```
.border{ border-color:rgb(114, 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(114, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(114, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9348, 9.5756, 79.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 0, 235) }
```

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

```
.background{ background-color: rgb(114, 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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