

Converting Colors

XYZ(21.4410, 9.2415, 82.8583)

Have a look what the booklet for
XYZ(21.4410, 9.2415, 82.8583)
contains.

XYZ(21.4371, 9.2343, 83.0906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4371, 9.2343,
83.0906)**

Conversions

Conversions Part 1

Format	Color
Hex	6800F0
RGB	104, 0, 240
RGB Percent	41%, 0%, 94%
CMY	0.5921, 1.0000, 0.0588
CMYK	0.57, 1.00, 0.00, 0.06
HSL	266°, 100%, 47%
HSV	266°, 100%, 94%
XYZ	21.4371, 9.2343, 83.0906
YIQ	58.4560, -15.0560, 96.6880

Conversions

Conversions Part 2

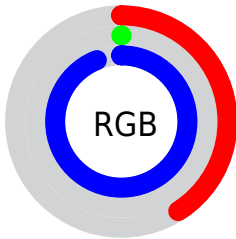
Format	Color
RYB	104, 0, 240
Decimal	6815984
CIELab	36.43, 78.36, -92.37
CIELCh	36, 121.125, 310.309
Yxy	9.2343, 0.1884, 0.0812
Android (android.graphics.Color)	4285006064 (0xFF6800F0)
YUV	58.4560, 89.5012, 39.9421
Hunter-Lab	30.3880, 72.7432, -140.8465

Details

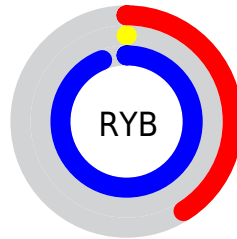
The XYZ color **21.4371, 9.2343, 83.0906** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **41.3125, 67.5541, 10.8619**, and the grayscale version is **3.9686, 4.1753, 4.5469**.

A 20% lighter version of the original color is **37.1366, 21.1038, 96.7239**, and **8.4810, 3.3968, 44.4646** is the 20% darker color. If you saturate the color by 10%, you get **21.4380, 9.2348, 83.0909**, and if you desaturate by 10%, it is **23.4727, 10.7686, 83.2798**.

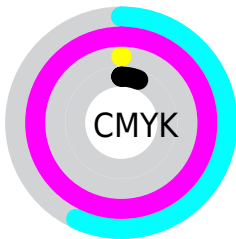
Distribution



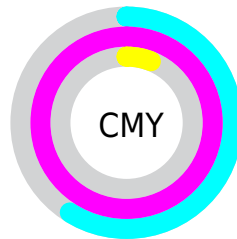
- Red (41%)
- Green (0%)
- Blue (94%)



- Red (41%)
- Yellow (0%)
- Blue (94%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (59%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4371, 9.2343, 83.0906 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 21.4371, 9.2343, 83.0906 by changing the saturation by 10% instead.


 21.4371, 9.2343,
83.0906


 21.4371, 9.2343,
83.0906


252.2804,
185.1163, 525.2673


 13.5582, 4.8943,
61.7239


 45.2997, 24.3450,
139.5527


 7.8936, 2.1854,
44.3753


 62.0140, 35.8845,
175.4852


 4.0782, 0.7120,
30.6263


 82.4042, 50.5926,
217.1099

 1.7465, 0.0000,
20.0584

 106.8356, 68.8537,
264.8455

 0.4851, 0.0000,
12.2530

 135.6736, 91.0522,
319.1105

 0.0000, 0.0000,
6.7916

 169.2835,

 0.0000, 0.0000,

117.5726, 380.3235

3.2556

208.0306,
148.7991, 448.9029

0.0000, 0.0000,
1.2266

0.0000, 0.0000,
0.0005

21.4371, 9.2343,
83.0906

21.4371, 9.2343,
83.0906

21.4380, 9.2348,
83.0909

23.4727, 10.7686,
83.2798

26.1771, 13.2469,
83.6156

29.6883, 16.9281,
84.1411

34.0913, 21.9672,
84.8816

■ 39.4588, 28.4953,
85.8588

■ 45.8549, 36.6273,
87.0913

■ 53.3378, 46.4665,
88.5961

■ 61.9610, 58.1072,
90.3885

■ 71.7741, 71.6369,
92.4828

Harmonies

Analogous

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



11.5522, 9.2343, 125.2707



21.4371, 9.2343, 83.0906



29.8962, 9.2343, 30.7466

Triad

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



21.4371, 9.2343, 83.0906



14.4425, 9.2343, 0.0000



0.9270, 9.2343, 19.1598

Complementary

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



21.4371, 9.2343, 83.0906



41.3125, 67.5541, 10.8619

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.



1.0670, 9.2343, 1.6594



21.4371, 9.2343, 83.0906



6.4860, 9.2343, 0.0000

Square

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



21.4371, 9.2343, 83.0906



24.5358, 9.2343, 0.0000



2.4471, 9.2343, 0.0000



1.8145, 9.2343, 65.4097

Rectangle

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



21.4371, 9.2343, 83.0906



31.8032, 9.2343, 9.8385



2.4471, 9.2343, 0.0000



0.8771, 9.2343, 10.2739

Sweetspot

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



21.4380, 9.2348, 83.0909



61.1213, 53.2055, 101.6560



24.5324, 23.8997, 85.7585



12.2727, 10.3150, 21.5941



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.



21.4380, 9.2348, 83.0909



24.5437, 10.5676, 95.3539



46.4688, 22.1386, 84.2624



15.5470, 15.5637, 19.9063



11.8815, 5.1305, 45.4919



1.1004, 0.4845, 3.7897

Inverse Universe

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



40.3788, 20.3027, 25.0807



46.3118, 23.2887, 28.6377



31.3739, 62.4306, 10.3967



16.1480, 15.9089, 18.3357



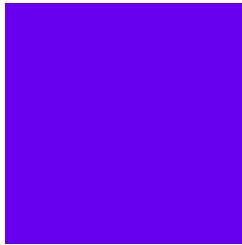
22.1719, 11.1412, 14.0878



1.8943, 0.9468, 1.4344

Previews

White Background



This preview shows how the XYZ color 21.4371, 9.2343, 83.0906 looks on a white background.

Color Contrast Check

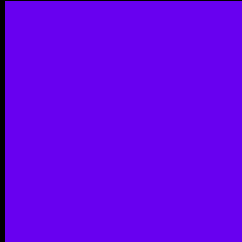
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4371, 9.2343, 83.0906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

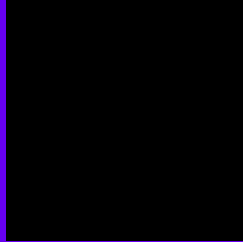
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4371, 9.2343, 83.0906

Background



This preview shows how black text looks on a background with the XYZ color 21.4371, 9.2343, 83.0906.



This preview shows how white text looks on a background with the XYZ color 21.4371, 9.2343,

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

21.4371, 9.2343, 83.0906

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.1612, 9.5143, 30.2078



Tritanopia

7.6286, 9.4721, 13.7381

Trichromacy



Original Color

21.4371, 9.2343, 83.0906

Protanomaly

12.3812, 7.0818, 54.7472

Deuteranomaly

10.8097, 6.7572, 45.5343

Tritanomaly

9.7572, 6.6970, 30.4842

Monochromacy



Original Color

21.4371, 9.2343, 83.0906

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.2013, 4.2742, 19.5142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4371, 9.2343, 83.0906 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(104, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(104, 0, 240)  
}
```

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(104, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 21.4371, 9.2343, 83.0906 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(104, 0, 240) }
```


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

```
.border{ border-color:rgb(104, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(104, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4371, 9.2343, 83.0906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 0, 240) }
```

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

```
.background{ background-color: rgb(104, 0,  
240) }
```

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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