

Converting Colors

XYZ(21.9815, 9.3862, 88.9323)

Have a look what the booklet for
XYZ(21.9815, 9.3862, 88.9323)
contains.

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Color

**XYZ(21.9341, 9.3680,
88.6478)**

Conversions

Conversions Part 1

Format	Color
Hex	6300F7
RGB	99, 0, 247
RGB Percent	39%, 0%, 97%
CMY	0.6117, 1.0000, 0.0314
CMYK	0.60, 1.00, 0.00, 0.03
HSL	264°, 100%, 48%
HSV	264°, 100%, 97%
XYZ	21.9341, 9.3680, 88.6478
YIQ	57.7590, -20.2830, 97.8050

Conversions

Conversions Part 2

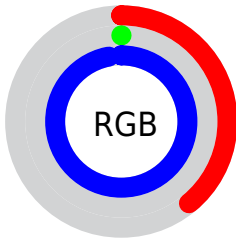
Format	Color
RYB	99, 0, 247
Decimal	6488311
CIELab	36.68, 79.60, -95.92
CIElCh	37, 124.649, 309.690
Yxy	9.3680, 0.1829, 0.0781
Android (android.graphics.Color)	4284678391 (0xFF6300F7)
YUV	57.7590, 93.2958, 36.1684
Hunter-Lab	30.6072, 74.3563, -150.2970

Details

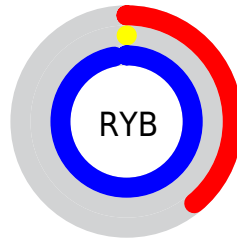
The XYZ color **21.9341, 9.3680, 88.6478** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **45.4722, 72.8169, 11.6584**, and the grayscale version is **3.8723, 4.0739, 4.4365**.

A 20% lighter version of the original color is **36.5003, 20.7758, 96.6941**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **21.9350, 9.3685, 88.6482**, and if you desaturate by 10%, it is **24.0442, 10.9624, 88.8447**.

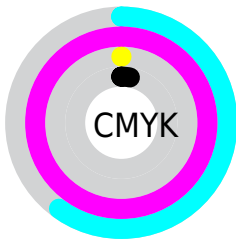
Distribution



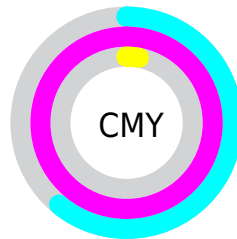
- Red (39%)
- Green (0%)
- Blue (97%)



- Red (39%)
- Yellow (0%)
- Blue (97%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (61%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9341, 9.3680, 88.6478 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 21.9341, 9.3680, 88.6478 by changing the saturation by 10% instead.

 21.9341, 9.3680,
88.6478


 21.9341, 9.3680,
88.6478


254.8408,
186.0999, 544.0785


 13.9248, 4.9820,
66.2923

 46.1167, 24.5998,
147.3778


 8.1497, 2.2367,
48.0517


 63.0208, 36.2143,
184.5893


 4.2435, 0.7399,
33.5076


 83.6204, 51.0072,
227.5899

 1.8408, 0.0000,
22.2413

 108.2811, 69.3628,
276.7982

 0.5421, 0.0000,
13.8343

 137.3681, 91.6654,
332.6327

 0.0000, 0.0000,
7.8681


 171.2468,


 0.0000, 0.0000,


118.2996, 395.5118


3.9241


 210.2826,
149.6496, 465.8543


 0.0000, 0.0000,
1.5838

 0.0000, 0.0000,
0.2792


 21.9341, 9.3680,
88.6478


 21.9341, 9.3680,
88.6478

 21.9350, 9.3685,
88.6482

 24.0442, 10.9624,
88.8447

 26.8973, 13.5820,
89.1999

 30.6421, 17.5023,
89.7592

 35.3724, 22.8912,
90.5501

■ 41.1683, 29.8905,
91.5956

■ 48.1005, 38.6245,
92.9161

■ 56.2335, 49.2051,
94.5297

■ 65.6263, 61.7345,
96.4530

■ 76.3337, 76.3071,
98.7015

Harmonies

Analogous

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



11.6070, 9.3680, 132.8336



21.9341, 9.3680, 88.6478



30.9484, 9.3680, 32.8208

Triad

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



21.9341, 9.3680, 88.6478



15.0247, 9.3680, 0.0000



0.8606, 9.3680, 19.0263

Complementary

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



21.9341, 9.3680, 88.6478



45.4722, 72.8169, 11.6584

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.



1.0172, 9.3680, 1.4649



21.9341, 9.3680, 88.6478



6.6571, 9.3680, 0.0000

Square

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



21.9341, 9.3680, 88.6478



25.6239, 9.3680, 0.0000



2.4390, 9.3680, 0.0000



1.7158, 9.3680, 67.3861

Rectangle

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



21.9341, 9.3680, 88.6478



33.0871, 9.3680, 10.4292



2.4390, 9.3680, 0.0000



0.8171, 9.3680, 9.9745

Sweetspot

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



21.9350, 9.3685, 88.6482



60.4111, 52.8394, 101.6228



27.4099, 27.9581, 91.9478



12.1060, 10.2291, 21.5863



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.



21.9350, 9.3685, 88.6482



23.5539, 10.0573, 95.3076



47.0048, 22.2925, 89.8214



16.2099, 16.2508, 20.8249



11.7507, 5.0320, 46.8900



1.1455, 0.5004, 4.1264

Inverse Universe

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



43.7026, 21.9121, 29.9398



46.9720, 23.5528, 32.1145



33.6544, 66.7246, 11.1054



16.9160, 16.6493, 19.3043



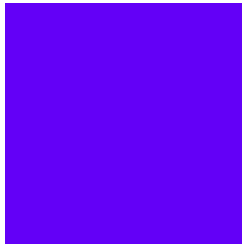
23.1849, 11.6174, 16.2137



2.0884, 1.0413, 1.6920

Previews

White Background



This preview shows how the XYZ color 21.9341, 9.3680, 88.6478 looks on a white background.

Color Contrast Check

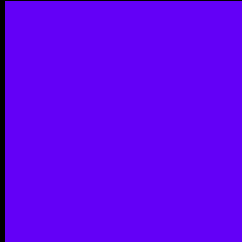
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9341, 9.3680, 88.6478 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 21.9341, 9.3680, 88.6478

Background



This preview shows how black text looks on a background with the XYZ color 21.9341, 9.3680, 88.6478.



This preview shows how white text looks on a background with the XYZ color 21.9341, 9.3680,

88.6478.

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

21.9341, 9.3680, 88.6478

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.2421, 9.5467, 30.6337



Tritanopia

7.2170, 9.6412, 14.5773

Trichromacy



Original Color

21.9341, 9.3680, 88.6478

Protanomaly

12.6613, 7.1855, 56.5967

Deuteranomaly

11.0536, 6.8465, 47.1933

Tritanomaly

9.2450, 6.5500, 32.2295

Monochromacy



Original Color

21.9341, 9.3680, 88.6478

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.2400, 4.2719, 20.5216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9341, 9.3680, 88.6478 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(99, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 247)  
}
```

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(99, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 21.9341, 9.3680, 88.6478 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(99, 0, 247) }
```


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

```
.border{ border-color:rgb(99, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9341, 9.3680, 88.6478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 247) }
```

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

```
.background{ background-color: rgb(99, 0,  
247) }
```

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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