

Converting Colors

XYZ(51.9191, 33.5467, 89.3278)

Have a look what the booklet for
XYZ(51.9191, 33.5467, 89.3278)
contains.

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Color

**XYZ(51.9421, 33.4921,
89.3149)**

Conversions

Conversions Part 1

Format	Color
Hex	DD70F4
RGB	221, 112, 244
RGB Percent	87%, 44%, 96%
CMY	0.1333, 0.5608, 0.0431
CMYK	0.09, 0.54, 0.00, 0.04
HSL	290°, 86%, 70%
HSV	290°, 54%, 96%
XYZ	51.9421, 33.4921, 89.3149
YIQ	159.6390, 22.5920, 64.1600

Conversions

Conversions Part 2

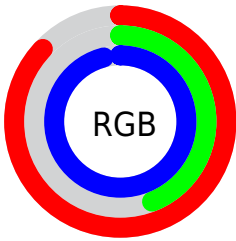
Format	Color
R _Y B	221, 112, 244
Decimal	14512372
CIE Lab	64.56, 61.56, -48.33
CIE LCh	65, 78.261, 321.865
Yxy	33.4921, 0.2972, 0.1917
Android (android.graphics.Color)	4292702452 (0xFFDD70F4)
YUV	159.6390, 41.5900, 53.8136
Hunter-Lab	57.8724, 58.9322, -50.9921

Details

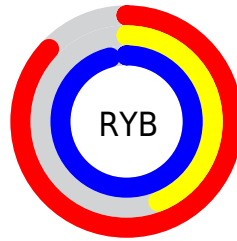
The XYZ color **51.9421, 33.4921, 89.3149** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **45.2679, 71.0228, 26.6535**, and the grayscale version is **33.0564, 34.7779, 37.8732**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **25.4881, 14.2027, 48.4117** is the 20% darker color. If you saturate the color by 10%, you get **48.3278, 28.1599, 88.4767**, and if you desaturate by 10%, it is **56.3209, 40.3025, 90.3992**.

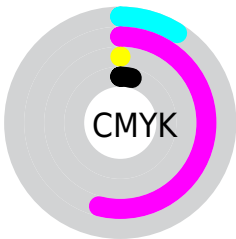
Distribution



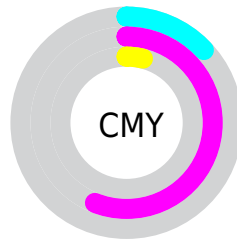
- Red (87%)
- Green (44%)
- Blue (96%)



- Red (87%)
- Yellow (44%)
- Blue (96%)



- Cyan (9%)
- Magenta (54%)
- Yellow (0%)
- Black (4%)





- Cyan (13%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9421, 33.4921, 89.3149 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 51.9421, 33.4921, 89.3149 by changing the saturation by 10% instead.


 51.9421, 33.4921,
89.3149


 51.9421, 33.4921,
89.3149

384.5407,
317.8614, 546.3122


 37.1830, 22.5037,
66.8421

 92.2206, 65.1431,
148.3136

 25.5235, 14.2275,
48.4955


 118.4707, 86.5744,
185.6765

 16.5983, 8.2790,
33.8567

 149.2818,
112.2555, 228.8399

 10.0421, 4.2740,
22.5070

185.0194,
142.5708, 278.2222

 5.4893, 1.8280,
14.0281

226.0487,
177.9046, 334.2421

 2.5748, 0.5045,
8.0012

272.7351,

 0.9331, 0.0000,

218.6414, 397.3180

4.0079

325.4440,
265.1655, 467.8685

■ 0.0000, 0.0000,
1.6297

■ 0.0000, 0.0000,
0.3119

■ 51.9421, 33.4921,
89.3149

■ 51.9421, 33.4921,
89.3149

■ 48.3278, 28.1599,
88.4767

■ 56.3209, 40.3025,
90.3992

■ 45.4137, 24.1808,
87.8622

■ 61.5144, 48.6944,
91.7452

■ 43.1306, 21.4158,
87.4489

■ 67.5728, 58.7665,
93.3700

■ 41.3927, 19.6937,
87.2081

■ 74.5408, 70.6084,
95.2885

40.5477, 19.0168,
87.1219

82.4604, 84.3032,
97.5145

90.2745, 97.7369,
99.6956

91.7871, 98.5167,
99.7664

93.3292, 99.3117,
99.8385

Harmonies

Analogous

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



40.5410, 33.4921, 128.8086



51.9421, 33.4921, 89.3149



58.2487, 33.4921, 45.9043

Triad

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



51.9421, 33.4921, 89.3149



34.9773, 33.4921, 3.1533



15.7444, 33.4921, 64.5793

Complementary

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



51.9421, 33.4921, 89.3149



45.2679, 71.0228, 26.6535

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.



14.9261, 33.4921, 28.4212



51.9421, 33.4921, 89.3149



24.4712, 33.4921, 3.9595

Square

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



51.9421, 33.4921, 89.3149



47.0606, 33.4921, 6.2951



17.7271, 33.4921, 10.1099



20.3057, 33.4921, 109.6177

Rectangle

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



51.9421, 33.4921, 89.3149



57.8855, 33.4921, 25.2045



17.7271, 33.4921, 10.1099



15.0734, 33.4921, 50.6666

Sweetspot

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



51.9434, 33.4935, 89.3156



80.8200, 75.3510, 104.8923



31.8448, 27.6425, 89.2456



16.9495, 15.5322, 22.3546



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.



51.9434, 33.4935, 89.3156



53.0450, 30.5947, 97.7173



53.7877, 35.0964, 59.9419



16.9138, 16.6137, 20.8579



22.1513, 10.3937, 47.3767



2.0197, 0.9511, 4.1674

Inverse Universe

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



47.4765, 32.5719, 26.7075



48.1109, 29.7575, 20.3880



44.8499, 70.4733, 41.7249



16.6170, 16.5296, 17.7295



20.5528, 10.5646, 2.3535



1.8389, 0.9415, 0.3783

Previews

White Background



This preview shows how the XYZ color 51.9421, 33.4921, 89.3149 looks on a white background.

Color Contrast Check

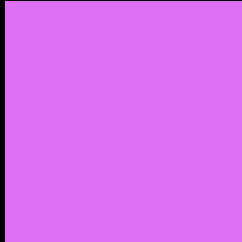
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.9421, 33.4921, 89.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

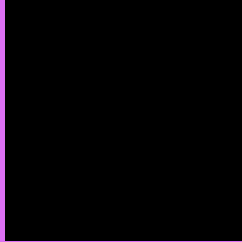
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9421, 33.4921, 89.3149

Background



This preview shows how black text looks on a background with the XYZ color 51.9421, 33.4921, 89.3149.

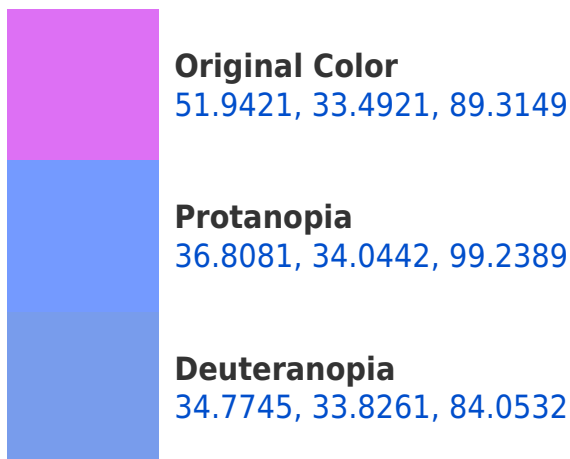


This preview shows how white text looks on a background with the XYZ color 51.9421, 33.4921,

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





Tritanopia

40.2245, 33.4078, 31.9320

Trichromacy



Original Color

51.9421, 33.4921, 89.3149



Protanomaly

39.9716, 32.3003, 95.3946



Deuteranomaly

38.8627, 32.1563, 85.8198



Tritanomaly

43.6032, 32.9619, 48.3201

Monochromacy



Original Color

51.9421, 33.4921, 89.3149



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

38.5178, 33.3516, 53.6976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9421, 33.4921, 89.3149 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(221, 112, 244)` looks like.

```
.text, #text, p{  
    color:rgb(221, 112, 244)  
}
```

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(221, 112, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 112, 244) }
```

Border

The CSS property to change the border of an element to XYZ 51.9421, 33.4921, 89.3149 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(221, 112, 244) }
```


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

```
.border{ border-color:rgb(221, 112, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 112, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 112, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 112, 244);  
box-shadow:4px 4px 4px 4px rgb(221, 112,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9421, 33.4921, 89.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 112, 244) }
```

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

```
.background{ background-color: rgb(221,  
112, 244) }
```

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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